A 3000-1 U 8/83

'83

soya bluebook

an ASA publication

Lucas Meyer

The Lecithin people

We are a service company to the soya industry. Over 30.000 tons of soya bean lecithin and soya fatty acids are yearly being marketed by us worldwide.

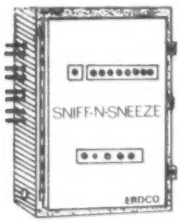
LUCAS MEYER

Ausschläger Elbdeich 62, 2000 Hamburg 28, Tel.: 78 17 01, Telex: 2 163 220 myer d

Lucas Meyer Inc., U.S.A., Lucas Meyer (UK) Ltd., Great Britain, Lucas Meyer b.v., Netherlands, Lucas Meyer S.p.r.l., Belgium, Lucas Meyer s.r.l., Italy, Lucas Meyer S.A., Spain, Lecithos-France S.A., France

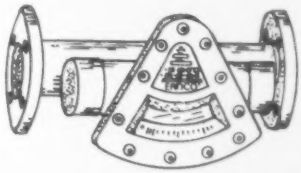
ERDCO means oilseedspecific ... not just another application

Hexane vapor detection in the dusty, high-humidity oilseed process used to be tricky business. Reliable control of expensive solvent vapor loss is a reality with SNIFF-N-SNEEZE® pneumatics coupled with our 25D Series Detection Instrumentation. It is the only System for flammable gas/vapor detection and control specifically designed for dependably accurate service within the rigors of the the vegetable oil extraction environment. This system works *for* you — trouble-free operation with a response time to alarm of 5 seconds or less.



The same ERDCO reliability is a part of our Flashpoint Test Instrumentation. Determine residual solvent content in less than 2 minutes with a 2 ml. sample.

Our Direct Reading Flowmeters provide rate-of flow measurement for oilseed process liquids and gases. Each instrument is calibrated for your specific fluid and flow range — eliminating the need to "fit" your requirement to a "standard" flow range. You determine units of measure, connection size and type, and materials of construction. The finished instrument has only one application — yours.



Let ERDCO Engineers help you when you need to get specific about oilseed instrumentation.

Telephone: 312/328-0550
Telex: 20-6915

ERDCO® Engineering Corporation

Post Office Box 1310
Evanston, Illinois 60204 U.S.A.

Flow Measurement □ Flammable Gas/Vapor Detection □ Flashpoint Test Instrumentation

SEAL OF APPROVAL.

The soybeans we purchase from America's farmers are of such fine quality, we'd be proud to put an ADM label on each and every one.

This commitment to absolute quality has helped us become the leading domestic processor of soybeans with 14 plants. ADM is also America's largest oilseed producer with 3 vegetable oil refineries. These facilities allow ADM to offer the most complete line of soy products including soy flour, soy protein concentrate, isolated soy protein, TVP® textured vegetable protein, soybean meal and soybean oil products.

Users of our soybean products know they can achieve better quality, increased production, and controlled costs in their food products.

For over thirty years ADM has sought top quailty soybeans to produce top quality products. And while an ADM label may not appear on a soybean . . . our name and reputation is solidly behind each and every one we process.

ADM
ARCHER DANIELS MIDLAND COMPANY
World Headquarters – Decatur, IL 62525
Telephone 217-424-5200 Telex 250121

Helping America use its abundance to meet the worlds needs.

SOYBEANS: THE MIRACLE CROP

A new challenge has arisen. Supplies have temporarily exceeded demand. Economic malaise has caused prices and profits to drop. And, soybeans are meeting stiff export competition. Yet, soybean farmers are committed to export expansion and research in the face of unfair competition abroad. Prices and profits will return to favorable levels. And, U.S. soybean farmer support of export promotion and research programs will continue to pay dividends.

The current malaise has temporarily hidden the tremendous growth in the U.S. soybean industry during the past century. Beginning as an experimental crop early in the 1900s, it took soybean farmers until 1968 to reach their first one billion bushel crop. In 1979, just 11 years later, soybean farmers produced their first two billion bushel crop.

On the supply side, rapidly increasing acreage has generated the two billion bushel crops. In the past 10 years, U.S. soybean acreage has nearly doubled—from 42 million acres to over 70 million acres.

U.S. farmers have increased soybean acreage to meet the increasing demand for soybeans, soybean meal and soybean oil.

Three major factors have accounted for this soybean growth:

- First, soybean farmers have been producing their crop to meet demand, not to meet the needs of government programs. As a result, U.S. soybean production is sensitive to changes in the marketplace. U.S. soybean farmers are concerned about producing a product that fills the need of a worldwide market.

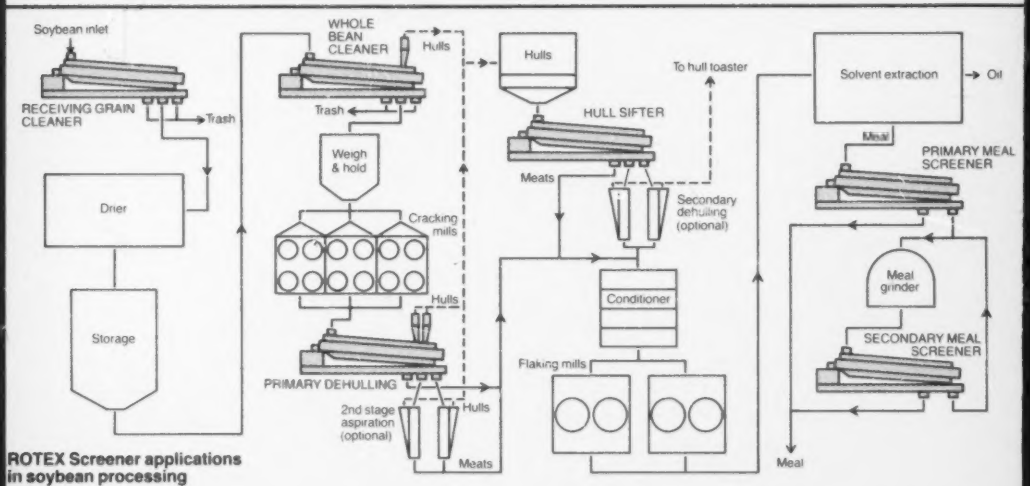
- Second, U.S. agriculture in general and soybeans in particular have been the most productive sector of the U.S. economy. This has resulted from a tremendous commitment to agricultural research. U.S. soybean farmers are investing more than $3 million a year on soybean research. And, we will continue to encourage federal and state support for additional soybean research.

- Third, U.S. soybean farmers—in cooperation with industry and government—are working throughout the world to demonstrate efficient uses of soybeans, soybean meal and soybean oil. During the past year, soybean farmers invested more than $5 million of their own money in these export promotion activities. According to a new Chase Econometrics study, export promotion over the last 10 years has increased—on an annual average—soybean exports 4.1 percent; soybean meal exports 11.6 percent and soybean oil exports 11.7 percent.

The farmers and staff of the American Soybean Association look forward to continuing our worldwide commitment to building the supply and demand of soybeans. It's part of our commitment to building profits for U.S. soybean farmers. We hope this edition of SOYA BLUEBOOK will help the international soybean community.

Dr. Kenneth L. Bader
Chief Executive Officer
American Soybean Association

How Rotex® Screeners increase profits for soybean processing plants



ROTEX Screener applications in soybean processing

It's surprising how many ways soybean processing plants use ROTEX Screeners. And every application area, from receiving station to meal processing, contributes directly to the soybean plant's bottom line. You profit through greater yields, as ROTEX Screeners minimize the loss of good product during processing. You profit from ROTEX reliability and less downtime. And from more accurate and uniform sizing, for a better quality end product. In every respect, ROTEX Screeners are specifically engineered to meet the requirements of difficult soybean applications.

Receiving cleaning — Increasing emphasis is being placed today on the cleaning of incoming grain to remove fines, whose presence tends to restrict circulation and cause product loss during storage. ROTEX Grain Cleaners are ideal for this application because they use a *long stroke/low frequency* horizontal screening motion. The motion quickly stratifies the fines down against the screen openings without violent agitation and remixing; fines readily pass through while the gentle motion minimizes grain breakage and produces maximum yields.

Model 722 ROTEX Grain Cleaner equipped for aspiration

Prep room whole bean cleaning — Field trash and other oversize foreign matter are quickly removed by ROTEX Screeners as the horizontal gyratory motion minimizes upending of trash and helps prevent screen blinding. ROTEX Screeners can be furnished with aspiration for automatic removal of loose hulls and other light material off the top of the bed of whole beans — while removing grit and fines prior to cracking.

Cracked bean dehulling — The ROTEX horizontal gyratory motion causes hulls to ride up on top for easy aspiration, as the meats move to the bottom for steady conveying off the screen surface. Efficient hull removal is accomplished with minimum loss of meats.

Hull sifting — ROTEX Screeners produce accurately and uniformly sized fractions, which permits use of falling bed aspirators for additional meat recovery in secondary dehulling systems.

Meal sifting — The high capacities of ROTEX Screeners save floor space and power while producing efficient separations and reducing recycle load on the grinding mill.

Over 70 years' experience — Whatever your requirements in soybean processing, ROTEX INC. can help increase your yields and your profits. Our test lab is available for analysis and demonstration on your material, or field visits can be arranged to ROTEX installations. For further information, consult your local ROTEX representative (see Yellow Pages under "Screening & Sifting") or our application specialists in Cincinnati. ROTEX INC., 1236 Knowlton Street, Cincinnati, Ohio 45223. Telephone 513-541-1236.

ROTEX INC.

table of contents

9 ORGANIZATIONS
- 9 American Soybean Association
- 12 International Foundation for Agricultural Development
- 13 National Soybean Processors Association
- 14 Soy Protein Council
- 14 Ontario Soya-Bean Growers' Marketing Board
- 14 National Institute of Oilseed Products
- 15 United States Department of Agriculture
- 17 State Research Experiment Stations
- 20 Foreign Agricultural Service
- 21 Governmental Buying Agencies

23 SOY PRODUCT DIRECTORY
- 24 U.S. Oil Extraction Plants/Refineries
- 35 Non-U.S. Oil Extraction Plants/Refineries
- 55 Soyfoods Manufacturers
- 79 Industrial Product Manufacturers
- 92 Exporters

103 BUYER'S GUIDE TO PRODUCTS & SERVICES
- 103 Category Listings
- 106 Commercial Equipment & Supplies
- 120 Soy Product Processing Equipment & Supplies
- 135 Farm Equipment & Supplies
- 137 Commercial Services
- 141 Manufacturer's & Supplier's Guide

175 SOY STATISTICS
- 174 Metric Conversion
- 171 Maps
- 176 Tables
- 203 Glossary of Soybean Terms
- 207 United States Standards for Soybeans

210 INDEXES
- 210 Directory, Alphabetical Company Listings
- 220 Advertisers

Soya Bluebook is published each July. Listings are provided to qualified members of the soybean industry. Every effort has been made to present a publication free of errors and/or omissions. In the event that errors or omissions occur, the editor of *Soya Bluebook* requests communications to that effect so that corrections can be made in future editions.
Additional copies of *Soya Bluebook* are $25. Contact Circulation & Sales Department.

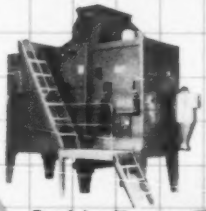
Postmaster—Address correction requested. Return postage guaranteed. *Soybean Digest* P.O. Box 27300, St. Louis, MO 63141.

Copyright 1983 by the American Soybean Association.

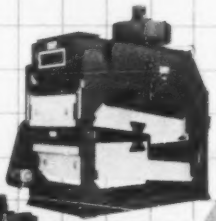
Enhance Your Quality Reputation

♦ ♦ ♦

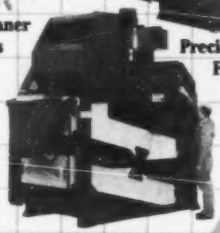
Specify Gustafson's Seed Conditioning Equipment



Precision Cleaner
GBS Series



Precision Cleaner
FA Series



General
Purpose Cleaner
SI Series

If you condition soybeans, corn or small grains, you know what you're looking for in a seed cleaner... cleaning efficiency, simple operation, low maintenance and quick clean-out between lots.

All of the Gustafson cleaning machines are dependable and easy to operate. Adjustments, lubrication and maintenance are simplified by streamlined construction, and you are assured of quick, easy change-over between products.

Our quality line of machinery features rubber ball screen cleaners, which keep the screens continuously clean.

Centralized within each machine, the single fan system is an integral part of the Gustafson cleaners. This gives you the advantage of a balanced system with uniform product aspiration, without loss or waste of electrical power.

All of the Gustafson cleaners can be equipped with Kamatrol™, the computerized seed cleaning system. Kamatrol adjusts the cleaner automatically, keeping the machine in tune continuously as raw material or atmospheric changes occur. Operators will now be able to reduce the loss of good seed with rejected material, and maintain consistent control over the quality of the good product.

Gustafson

17400 Dallas North Parkway · Dallas, Texas 75252 U.S.A. · (214) 931-8899

organizations

AMERICAN SOYBEAN ASSOCIATION

Founded: 1920 Organized: 1925 Incorporated: February 28, 1946

Home Office: 777 Craig Rd., P.O. Box 27300, St. Louis, MO 63141.
Ph. 314-432-1600. TLX: 4312061 (USBEANS STL).

Washington Office: 600 Maryland Ave., SW, Suite 510, Washington, DC 20036.
Ph. 202-554-7804.

EXECUTIVE COMMITTEE

CHAIRMAN OF THE BOARD—Charles Hamon
PRESIDENT—B.B. Spratling, Jr.
FIRST VICE PRESIDENT—Ralph Weems, Jr.
VICE PRESIDENTS—Roger Asendorf
Joe Kirksey
George Fluegel
Ed Schettler
SECRETARY—Ted Bailey
TREASURER—Ellsworth Stewart
FOUNDATION REPRESENTATIVES—
Carl Gangwish, President
Mike Willette, Vice President
Andrew Whisenhunt, Treasurer

STAFF

CHIEF EXECUTIVE OFFICER—Dr. Kenneth Bader
EXECUTIVE DIRECTOR—Jeffrey Gain
DIRECTORS—
BUSINESS & FINANCE—Charles Koopmann
CORPORATE RELATIONS—Dennis Sharpe
INFORMATION & EDUCATION—Steve Drake
MARKET DEVELOPMENT—Michael Phillips
MEMBERSHIP
& FIELD SERVICES—Don Williams
RESEARCH—Dr. Keith Smith

REGIONAL MANAGERS

Provide support to state checkoff and state soybean association boards in the establishment, execution and maintenance of checkoff, membership, export promotion, research, education and government relations programs.

REGION 1: Minnesota, South Dakota, North Dakota
Aleks Cerne; Jeff Olson, Asst., 360 Pierce Ave., Suite 110, North Mankato, MN 56001, Ph. 507-388-1635.

REGION 3: Kansas, Nebraska, Oklahoma, Texas
Dave Drennan, 10551 Barkley, Suite 416, Overland Park, KS 66212, Ph. 913-648-2126.

REGION 4: Iowa
Les Rhodes; Steve Pedersen, Asst., Suite 600, West Towers, 1200 35th St., West Des Moines, IA 50265, Ph. 515-223-1423.

REGION 5: Missouri
Tony Ballmann, 322 Jefferson, Box 1747, Jefferson City, MO 65102, Ph. 314-635-6701.

REGION 6: Illinois, Wisconsin
Bill Tiberend; Dennis Thompson, Asst., 2422 E. Washington St., Bloomington, IL 61701, Ph. 309-663-9433.

REGION 7: Indiana, Kentucky
Darwyn Nelson, 130 E. Washington, P.O. Box 1290, Indianapolis, IN 46206, Ph. 317-263-7836.

REGION 8: Ohio, Michigan
Doug Leith, 6875 Lancaster-Newark Rd., Baltimore, OH 43105, Ph. 614-862-4807.

REGION 9: Delaware, Maryland, New Jersey, North Carolina, Pennsylvania, Virginia
Jerry Kennedy, One Plaza E., Suite 420, P.O. Box 319, Salisbury, MD 21801, Ph. 301-742-9500.

REGION 10: Arkansas, Louisiana, Mississippi
Roger Atkins, P.O. Box 202, West Memphis, AR 72301, Ph. 501-735-3025.

REGION 11: Alabama, Florida, Georgia, South Carolina, Tennessee
Carlton Earhart, P.O. Box 2007, Tifton, GA 31794, Ph. 912-382-4900.

COUNTRY DIRECTORS

Overseas directors are assigned the broad task of promoting increased use of soybeans and soybean products outside the U.S.

JAPAN
Gunnar Lynum, Akasaka Tokyu Bldg., 11th Floor, 2-14-3 Nagatacho, Chiyoda-ku, Tokyo, Japan 100. Ph. 593-2501; TLX: 781-28638 (USBEANS J28638).

ASIA, SOUTHEAST
Dr. Don Bushman, 541 Orchard Rd. #15-01 Liat Towers, Republic of Singapore 0923. Ph. 737-6233; TLX: 786-33229 (RS 33229 USATO).

EUROPE, EAST
Tom Brennan, Gatterburggasse 18/2/3, A-1190 Vienna, Austria. Ph. 37-41-18; TLX: 847-135132 (AMSOY A).

EUROPE, NORTH
Dr. Karl W. Fangauf, Pelzerstrasse 13, 2 Hamburg 1, Federal Republic of Germany. Ph. 40-33 05 16 or 33 67 83 ; TLX: 841-2163420 (SOYA D).

EUROPE, WEST
Dennis Blankenship, Centre International Rogier, Rm. 2501-2506, Boite 521, 1000 Brussels, Belgium. Ph. 217-20-75; TLX: 846-26128 (AMSOYA B).

KOREA
Dr. Kyung Lee, 63 Eulji Ro 1-KA, Chung-ku, K.P.O. Box 1704, Seoul, Korea. Ph. 778-9114; TLX: 787-25823 (SOLATO K 25823).

LATIN AMERICA
Gil Harrison, Rio Sena No. 26-201, Col. Cuauhtemoc, 5 Mexico, D.F. Ph. 566-9490; TLX: 017-77371 (ANIAME).

MID-EAST, IBERIAN PENINSULA & AFRICA
David Wilson, Piquer 7, 4° Izda., Madrid 33, Spain. Ph. 202-91-42; TLX: 831-46008 (SOYA E).

PEOPLE'S REPUBLIC OF CHINA
Terence B. Foley, Jianguo Hotel-Rm. 423, Beijing, People's Republic of China. Ph.34-2476; TLX: 716-22439 (JGHBJ CN).

TAIWAN
Dr. Steve Chen, Rm. 603, Kwang-Wu Bldg., 386-12 Tun Hua South Rd., Taipei, Taiwan. Ph. 781-2110; TLX: 19422 (USBEANS).

BOARD OF DIRECTORS

Approximately 20,000 members from 24 affiliated state associations pay membership dues for member services and government relations efforts. State associations elect directors, based on production levels, to serve on ASA Board of Directors. Responsibilities include directing activities in accordance with ASA policies, approving budgets, evaluating ASA programs, and contracting American Soybean Development Foundation to carry out education, research and market development activities.

ALABAMA—B.B. Spratling Jr.
ARKANSAS—Wayne Bennett, Joe Kirksey, Steve Wilson
FLORIDA—Frank Ray
GEORGIA—Paul Newton
ILLINOIS—Ralph Raber, George Fluegel, Willard Severns
INDIANA—Joe Pearson, Wilfred Illingworth, Paul McKinnis
IOWA—Raymond Heck, Merlyn Groot, Ed Schettler
KANSAS—Charles Hamon
KENTUCKY—James Esche
LOUISIANA—Patrick Quinn, Ray Schexnayder
MICHIGAN—Fred Smith
MID-ATLANTIC—Preston Ware
MINNESOTA—Roger Asendorf, Bill Wendlandt, Gordon Martin
MISSISSIPPI—Jennings Cox, Ralph Weems Jr.
MISSOURI—David Haggard, Maurice Johnson, Ellsworth Stewart
NEBRASKA—Roy Smith, David Stock
NORTH CAROLINA—Ted Bailey
OHIO—Dennis Mesenburg, Tim Hartsock, Hugh Wilson
OKLAHOMA—Arlie Perry
SOUTH CAROLINA—Dave Wiggins
SOUTH DAKOTA—Jerry Schmitz
TENNESSEE—Page Box, Jr., Robert Wilson
TEXAS—Robert Horn
VIRGINIA—Winter Cullen
WISCONSIN—John Hoffmann
CANADA—Donald Lumley
MEXICO—Julio Hernandez

ACTIVITIES

The American Soybean Association is a national nonprofit, volunteer, single commodity organization of soybean producers organized to assure the opportunity of a profitable soybean industry. ASA:

1. Conducts and supports programs to create and develop markets for soybeans and soybean products.
2. Conducts and supports effective programs of research and education.
3. Monitor and influence governmental programs and policy to represent the best interest of America's soybean producer.
4. Provides production and marketing information and develops public relations programs which identify and promote ASA.

OBJECTIVES

1. To promote profitable soybean production for U.S. producers and the total soybean industry.
2. To be the worldwide spokesman for all U.S. soybean producers.
3. To maintain a national association of soybean growers to act as an umbrella organization for all affiliates.
4. To promote utilization of U.S. soybeans and soybean products worldwide through cooperative producer, industry and government market development programs.
5. To assure a free world market for soybeans, and therefore, a continued increase in demand for U.S. soybeans.
6. To assure adequate support for soybean research.
7. To inform U.S. soybean producers of current production and marketing information.

GOVERNMENT

The American Soybean Association staff and officers maintain constant contact with all branches of government at the national level to further the objectives of soybean producers. ASA encourages legislation and governmental actions that will benefit soybeans and result in an orderly growth of the crop and industry and discourages legislation or actions that will prove harmful or restrictive to the crop, in cooperation with state soybean associations.

ASA works with the U.S. Department of Agriculture and the industry in efforts to expand markets for U.S. soybeans and soybean products at home and abroad; it strives to maintain reasonable support levels without inducing excessive acreage and over-production; it constantly presents to Congress the need for adequate government research in the production, marketing and utilization of the crop.

HOLDS CONFERENCES with the nation's outstanding soybean authorities as speakers. Its resolutions are adopted by soybean farmer delegates at the ASA annual meeting and serve as guides for the association during the year.

ANSWERS YOUR QUESTIONS. The world headquarters of the American Soybean Association at St. Louis, MO, serves as a clearinghouse of information for the industry, answering thousands of inquiries that come throughout the year.

PUBLICATIONS

The American Soybean Association publishes three publications on a regular basis:

SOYBEAN DIGEST is the only production/management magazine in the world produced for soybean growers. Issued nine times a year, SOYBEAN DIGEST is packed with information on improved management skills and production techniques that help increase soybean grower profits.

SOYBEAN UPDATE is provided exclusively to ASA members 50 times a year to provide growers with timely information to help them make marketing decisions.

SOYA BLUEBOOK, published each July, is a directory of the soybean industry. BLUEBOOK is available to anyone at a subscription price of $25 per book.

MEMBERSHIP

ACTIVE MEMBERSHIP. Any person who is an actual producer of soybeans whether as owner, manager or operator may apply for active membership in the Association by completing an application form furnished by the Association and submitting the same to the Association, together with payment of the dues fixed by the Association. Such application shall be considered by the Board of Directors or by such person or persons designated by such board. If such application is granted, the applicant's name shall be enterd on the Association's books as an active membership, and such member (or spouse) shall have full voting rights and may receive SOYBEAN UPDATE and SOYBEAN DIGEST.

ASSOCIATE MEMBERSHIP. Any persons, business organizations, corporations, partnerships and other agencies who are engaged in the promotion and interests of soybeans or soybean products may apply for associate membership in the Association by completing and submitting an application form furnished by the Association, together with payment of the dues established by the Association. Such application shall be considered by the Board of Directors or its designee, and if approved, the applicant may then be recorded as an associate membership. Such associate memberships will carry all membership privileges in the Association except the right to vote and and may receive SOYBEAN UPDATE and SOYBEAN DIGEST.

FOREIGN CONTRIBUTING MEMBERS. Any foreign business organizations, corporations, partnerships and other agencies and persons interested in the welfare of the soybean industry shall be extended the privilege of holding foreign contributing memberships in the Association by payment of the dues fixed by the Association. Such foreign contributing members will carry all membership privileges in the Association except the right to vote and may receive the SOYBEAN UPDATE and SOYBEAN DIGEST and the BLUEBOOK. Foreign includes all members outside the continental United States and Canada.

AFFILIATED ASSOCIATIONS – ASA now has 26 affiliated state associations, a rapid development since the first state association was organized 15 years ago. See list below.

MEMBERSHIP INFORMATION may be obtained by writing to: Membership & Field Services Department, 777 Craig Road, P.O. Box 27300, St. Louis, MO 63141. Ph. 314-432-1600; TLX: 4312061.

STATE ASSOCIATIONS

State	Members (10/1/82)	Checkoff Status (10/1/82)
Alabama	425	½*
Arkansas	1,505	1*
Florida	205	1*
Georgia	390	½*
Illinois	3,198	½*
Indiana	665	—
Iowa	3,473	½*
Kansas	625	1*
Kentucky	318	½*
Louisiana	584	1*
Michigan	319	½*
Mid-Atlantic DE,MD,MJ,PA	359	1*
Minnesota	1,019	1*
Mississippi	915	1*
Missouri	1,019	½*
Nebraska	622	1*
North Carolina	279	1*
North Dakota*	200	—
Ohio	1,182	—
Oklahoma	239	1*
South Carolina	350	½*
South Dakota	213	—
Tennessee	368	½*
Texas	258	2*
Virginia	348	1*
Wisconsin	369	—

*Not presently an affiliated state association.

MARKET DEVELOPMENT PROGRAMS

Soybeans consistently provide the most cash income for American farmers. Over half the soybeans and soybean oil and meal produced in this country are exported, providing valuable trade revenue for the U.S. government and increased income to the U.S. farmer. The value of soybeans and soybean products exported in 1982 rose to $8.4 billion, accounting for almost 20 percent of the total value of U.S. ag exports. Today, soybeans and soybean products are the largest agricultural export commodity in the U.S. In 1983, U.S. soybean farmers will invest almost $5 million of their own checkoff funds for more than 200 market development projects in 76 countries. These programs have successfully created a new or expanded demand for soybeans overseas and have helped to increase profits of U.S. farmers.

- A recent study of ASA's export promotion programs shows that farmer-funded export promotion has increased soybean prices 8 cents per bushel each year for the last 11 years. The study, conducted by Chase Econometrics, also found that ASA's export promotion increased gross soybean cash receipts to U.S. farmers $57.50 per dollar invested overseas and increased U.S. soybean export revenue $66.40 per dollar invested.
- Since 1957, ASA has sent more than 200 trained technical consultants to 76 nations on almost 500 technical trips to help foreign customers improve livestock and processing industries. Since 1966, ASA has helped sponsor 315 foreign trade teams to the U.S. to study and observe the advantages and applications soybeans offer.

- ASA promotion in Asia of soymilk, a high-protein drink made from soybeans, has caused Asian soymilk consumption to soar. Soymilk consumption in Japan alone jumped 200 percent from 1981 to 1982, requiring almost 1 million bushels of soybeans. Japanese industry sources estimate that by 1985, total usage of soybeans for soymilk will be more than 3.6 million bushels.

- An ASA Poultry Disease Training Course in Egypt helped increase Egyptian veterinarians' understanding of disease prevention. With effective disease control, Egyptian broiler production should increase by 70 million birds next year and soybean meal demand will rise by 52,000 metric tons.

- ASA crushing trials in Venezuela and Chile, done with soybeans donated by U.S. farmers, showed oilseed processors that crushing plants can be converted to soybean crushing with only minor changes. Venezuelan interest in buying U.S. soybeans heightened as a result of the findings and by the spring of 1983, Venezuelan purchases of U.S. soybeans were double the amounts purchased the previous year.

RESEARCH

Soybean research is the key to unlocking new opportunities for soybean profits. Through farmer investment in the soybean checkoff, farmers fund soybean research at the state and national level. Research investments help stimulate demand by improving product quality and developing new uses for soybeans and soybean products. Research also reduces production costs by helping cut harvest losses, reducing disease problems and developing improved varieties. Some farmer-funded research projects currently underway to help increase profit-per-acre potential include:

- Research to develop non-food uses for soybean oil. These include using soybean oil as an agricultural chemical carrier/crop oil; as a grain dust suppressant; as a replacement for petroleum oil in industry; as disoyl, a blend of soybean oil and diesel fuel and as a substitute for kerosene in space heaters.

- Other research is underway to improve soybean oil quality by reducing or eliminating linolenic acid, a soybean oil component which adversely affects stability, color, flavor and odor. Soybean oil represents 35 percent of the soybean's value.

- To aid farmers in their battle against the cost/price squeeze, soybean research funding is being directed to projects aimed at increasing production efficiency by lowering input costs without hurting productivity. Scientists are seeking to learn why the soybean plant aborts 65 percent of its pod-producing blooms. Other studies are developing basic information on the soybean plant's inability to fill pods during low moisture periods. This research is expected to lead to the development of more efficient and more productive soybean plants.

- Research is also underway to develop genetic resistance to phytophthora root rot, cyst nematodes and other plant pests.

AMERICAN SOYBEAN DEVELOPMENT FOUNDATION

OFFICERS

PRESIDENT—Carl Gangwish
VICE PRESIDENT—Mike Willette
SECRETARY—Merle McCann
TREASURER—Andrew Whisenhunt
ASST. TREASURER—J. Ted Huser

BOARD OF DIRECTORS

ALABAMA—Bill Dixon
ARKANSAS—Nick Rose, Dan Lamberth, Andrew Whisenhunt
DELAWARE—Olin Gooden
FLORIDA—A.L. Kent
GEORGIA—Bill Prichard, James Lee Adams
ILLINOIS—Tom Johnson, Lloyd Pulcher, Dennis Wentworth
IOWA—Willard Latham, J. Ted Huser, Jud Seeley
KANSAS—Stan Compton
KENTUCKY—George Crafton, Jack Millikan
LOUISIANA—Norvin Fagan, Donald Zaunbrecher
MARYLAND—Henry Spies
MICHIGAN—Gary Albright
MINNESOTA—Dennis Boraas, Dean Johnson, Mike Willette
MISSISSIPPI—James Lee Shirley, James Ferguson, J. Tol Thomas
MISSOURI—Joe Pepper, Jack Tipton, Harold Clark
NEBRASKA—Carl Gangwish, Kenlon Johannes
NEW JERSEY—Fred Pew
NORTH CAROLINA—Andrew Winslow
OKLAHOMA—Raymond Schoen
SOUTH CAROLINA—Gordon McCollough
TENNESSEE—Jim Stanford
TEXAS—Don Blacketer
VIRGINIA—Merle McCann

Farmer-boards managing the 23 state checkoff programs allocate a portion of their funds to the American Soybean Development Foundation (ASDF). ASDF directors contract with the American Soybean Association to implement market development, research and education programs designed to build soybean farmer profits as outlined according to the state checkoff programs.

INTERNATIONAL FOUNDATION FOR AGRICULTURAL DEVELOPMENT

P.O. Box 12572, St. Louis, MO 63141, Ph. 314-432-7464

International Foundation for Agricultural Development (IFAD) is a wholly owned subsidiary of the American Soybean Association organized to provide expert technical assistance for international agricultural development projects. By effectively utilizing experienced technical personnel, the long-term success of development projects beyond the life of the IFAD contract for services can be obtained.

OFFICERS

Seymour Johnson, CHAIRMAN
Arthur Goeken, VICE CHAIRMAN
Jud Seeley, SECRETARY
Vernon Scott, TREASURER

BOARD OF DIRECTORS

Roger Asendorf, MN
Ted Bailey, NC
Carl Gangwish, NE
George Fluegel, IL
Art Goeken, IL
Charles Hamon, KS
Seymour Johnson, MS
Joe Kirksey, AR
Vernon Scott, AR
Ed Schettler, IA
Jud Seeley, IA
B. B. Spratling, AL
Ellsworth Stewart, MO
Ralph Weems, MS
Andrew Whisenhunt, AR

STAFF OFFICERS

PRESIDENT—Kenneth L. Bader
SENIOR VICE PRESIDENT—Jeffrey Gain
EXECUTIVE
VICE PRESIDENT—Dennis Blankenship
VICE PRESIDENT
OF OPERATIONS—Gil Griffis
VICE PRESIDENT
OF FINANCE—Charles Koopmann
VICE PRESIDENT—John Baize

NATIONAL SOYBEAN PROCESSORS ASSOCIATION

Organized: 1930
Executive Office: 1800 M Street, NW, Washington DC 20036. Ph. 202-452-8040.

OFFICERS

CHAIRMAN—Gaylord O. Coan, Gold Kist, Inc.
VICE CHAIRMAN—Edward J. Cordes, Ralston Purina Co.
PRESIDENT—Sheldon J. Hauck
SECRETARY/TREASURER—Donald H. Leavenworth
GENERAL COUNCIL—Elroy H. Wolff, Esq., Sidley & Austin, 1730 Pennsylvania Ave., NW, Washington DC 20006
DIRECTOR OF PUBLIC AFFAIRS—Murray C. Keene
MANAGING DIRECTOR
National Soybean Crop Improvement Council (NSCIC)—Robert W. Judd, 211 S. Race St., Urbana, IL 61801, Ph. 217-367-0412.

Regular membership in the National Soybean Processors Association is open to individual firms or corporations regularly engaged in the actual processing of soybeans. The association now has 21 regular member firms which process more than 95% of the soybeans crushed in the United States.

Firms which are consumers of soy oil and/or soybean meal are eligible for associate membership. A number of refiners and mixed-feed manufacturers are now associate members of the association.

Association policy is determined by its board of directors who represent all sections of processing areas and all types of processing units. The 16 committees of the association carry on the general activities group.

Through this organization, equitable trading rules have been developed which have admirably and fairly served the buyers and sellers of soybean products during the years in which the soybean industry has made such remarkable growth.

Government relations activities of NSPA have insured close cooperation between the soybean processing industry and the Federal government, on such issues as international trade negotiations, environmental protection regulation and domestic agriculture legislation.

The NSPA Export Development Committee has since 1978 reviewed extensively the American soybean meal export system and has developed revised and new trading rules improving the efficiency of the export process and the quality of products in international trade.

The intense research activity fostered by the association and its members has played an important part in placing the industry on the high plane which it enjoys today. The promotional efforts of the association and its members have established a place for soybean products in highly competitive fields. Through this research and promotional activity the products of soybeans have become standard essentials in our food, feed and industrial markets.

The National Soybean Crop Improvement Council was established in 1941 by the association to cooperate with agricultural interests to encourage the growing of soybeans in the United States. Robert W. Judd is the managing director located in Urbana, IL.

The Council cooperates with agronomy departments and experiment stations in the soybean-producing states, the U.S. Department of Agriculture and all segments of the soybean industry to encourage agronomic research for the purpose of reducing soybean production costs per bushel and providing improved strains of soybeans for producers, processors and consumers. The educational activities of the council serve to promote the adoption of improved agronomic practices.

An advisory board for the council was formed in 1950 and consists of 25 university agronomy department heads, 4 scientists from USDA, a representative from commercial soybean breeders and one representative from ASA. The advisory board serves as a liaison between the council and scientists engaged in all phases of soybean production research.

The council publishes SOYBEAN NEWS in January, April and October. The publication is designed to help increase soybean production efficiency. It is available upon request.

Official trading rules governing the purchase and sale of soybean meal and soy oil are carried in the YEAR BOOK AND TRADING RULES of the National Soybean Processors Association. Copies of the yearbook may be obtained at $15 per copy at the association's Washington offices.

SOY PROTEIN COUNCIL

Organized: 1971
Formerly Food Protein Council
Executive Office: 1800 M St., NW, Washington, DC 20036. Ph. 202-467-6610.

OFFICERS

CHAIRMAN—Willis Clark
VICE CHAIRMAN—Robert Sullenberger
EXECUTIVE VICE PRESIDENT—Sheldon J. Hauck
EXECUTIVE COMMITTEE—Willis Clark, B. Marlo Dirks, Arlen Elliott, Robert Sullenberger
DIRECTOR OF PUBLIC AFFAIRS—Murray C. Keene
DIRECTOR OF REGULATORY
AFFAIRS COMMITTEE—Dinah D. McElfresh

The Soy Protein Council is comprised of firms and corporations regularly engaged within the United States in the actual processing or sale of vegetable proteins or products containing vegetable protein products derived from agricultural sources for use and consumption in human foods.

Goals of the council are to build awareness of the established nutritional properties of commercially available vegetable proteins and to participate in the formulation of U.S. nutrition goals and policies; to assist government agencies, the scientific community, the food processing industry, and public interest groups in the better understanding of the role and utilization of vegetable proteins in the food system; and to work toward the establishment of harmonized world food regulations that maximize the economic and nutritional properties of vegetable proteins in the world food supply.

A total of 7 firms are members of the Soy Protein Council.

ONTARIO SOYA-BEAN GROWERS' MARKETING BOARD

Office: Wheels Plaza, 175 Keil Dr. S., P.O. Box 1199, Chatham, Ont. N7M 5L8, Canada.
Ph. 519-352-7730; TLX: 064-78546.

OFFICERS

CHAIRMAN—Peter Epp, R.R. 5 Leamington, Ont. N8H 3V8
FIRST VICE CHAIRMAN—Bernard Calhoun, R.R. 2 Essex, Ont. N8M 2X6
SECOND VICE CHAIRMAN—Maurice Waddick, R.R. 6 Chatham, Ont. N7M 5J6
PAST CHAIRMAN—Donald Lumley, R.R. 3 Iona Station, Ont. NOL 1PO
SECRETARY MANAGER—Otis McGregor, P.O. Box 1199, Chatham, Ont. N7M 5L8

Seventeen thousand five hundred grower members. Purpose is to control and regulate the marketing of soybeans in Ontario. The board negotiates the terms and conditions of sales with dealers and processors. The board does not conduct actual purchase and sale, though it has power to do so. The board is financed by license fees paid by each grower according to the number of metric tons of soybeans sold. At present the fee is 90 cents per metric ton, of which 18 cents is designated to promotion, research and advertising.

The Ontario Soya-Bean Growers' Marketing Board provides a toll-free telephone service 24 hours a day on price offered by crushers to dealers and growers.

NATIONAL INSTITUTE OF OILSEED PRODUCTS

Organized: 1934
Executive Offfice: 111 Sutter, San Francisco, CA 94104.

OFFICERS

PRESIDENT—S.K. Evans
FIRST VICE PRESIDENT—Robert E. Thomaier

SECOND VICE PRESIDENT—Albert F. Mogerley
SECRETARY/TREASURER—R.M. Laurence

This institute is a trade organization having as a principal objective the promotion of the general business welfare of persons and firms engaged in buying, selling, processing, shipping, manufacturing and otherwise interested in vegetable oils and vegetable oil raw materials.

U.S. DEPARTMENT OF AGRICULTURE

Office of Secretary
Secretary of Agriculture—John R. Block

Science and Education
Orville G. Bentley, Assistant Secretary for Science & Education
T.B. Kinney, Administrator, Agricultural Research Service
Mary Nell Greenwood, Administrator, Extension Service
W.I. Thomas, Administrator, Cooperative State Research Service
Richard A. Farley, Director, National Agricultural Library

Cooperative State Research Service
W.I. Thomas, Adminstrator

Agricultural Research Service
T.B. Kinney, Administrator
Mary Carter, Associate Administrator

National Program Staff
BARC-West, Beltsville, MD 20705

Plant and Natural Resource Sciences Staff
E.B. Knipling, Associate Deputy Administrator

Staff Scientists
H.J. Brooks, Fruits & Nuts, Hops & Mint Production
G. Carlson, Forage & Range Production
R.D. Jackson, Insect Control-Grain, Forage & Oilseed
W. Klassen, Pest Management
P.A. Miller, Cotton and Soybean Production
K. Schertz, Corn, Sorghum & Millet Production
W.C. Shaw, Weeds & Agriculture Chemicals Technology
H.E. Waterworth, Plant Pathology & Nematology
D.A. Farrell, Watershed Hydrology
R.F. Follett, Soil Fertility & Plant Nutrition
A.R. Grable, Arid & Semiarid Land
M.E. Jensen, Water Management
S.L. Rawlins, Soil Plant Atmosphere
G. Still, Plant Physiology

Animal, Human Nutrition, and Postharvest Sciences Staff
D. Laster, Acting Assoc. Deputy Admin.

Staff Scientists
W.H. Martinez, Processing Technology-Field Crops
M.T. Ovye, Stored Products Insect Control
J. Robens, Food Safety & Health
H.G. Purchase, Foreign & Vector-Borne Diseases
R.A. Bram, Insects Affecting Man & Animals
R.J. Gerrits, Swine
C.A. Kiddy, Dairy Production & Rural Housing
D.D. King, Poultry Production

NORTHEASTERN REGION
BARC—West, Beltsville, MD 20706

G.E. Vanden Berg, Regional Administrator

Beltsville Agricultural Research Center
P. Putnam, Acting Center Director

Agricultural Environmental Quality Institute
J. St. John, Weed Science
W.A. Gentner, Weed Science
D.D. Kaufman, Pesticides
R.L. Chaney, Biological Waste Management & Organic Resources
S.B. Hornick, Biological Waste Management & Organic Resources

Plant Genetics & Germplasm Institute
T.C. Elden, Field Crops

Plant Physiology Institute
H.E. Heggenstead, Plant Stress
R.K. Howell, Plant Stress
C.S. Foi, Plant Stress

Cell Culture & Nitrogen Fixation
G.W. Schaeffer
D.E. Cregan
T.E. Devine
D.F. Weber
C. Sloger
L.D. Kuykendall
L.D. Owens
R.C. Leffel

Beltsville Human Nutrition Center
C.D. Bodwell, Protein Nutrition
R. Schroder, Beneficial Insect Identification

Plant Protection Institute
C.A. Thomas, Plant Pathology
R.G. Orellana, Plant Pathology
A.M. Golden, Nematology
R.M. Sayre, Nematology
B.Y. Endo, Nematology
R.V. Rebois, Nematology
R. Huettel, Nematology

Eastern Regional Research Center
500 E. Mermaid Lane, Philadelphia, PA 19118
H. Rothbart, Center Director
W.F. Sett, Plant Science Laboratory

North Atlantic Area
(MD, DE, WV, DC, PA, NJ, NY, VT, NH, ME, CT, MA)
P.O. Box 849, Ithaca, NY 14850
J.B. Wilson, Area Director
J.F. Thompson, Plant, Soil & Nutrition Research
R. Zobel, Microclimatology Research

Plant Disease Research Laboratory, P.O. Box 1209, Frederick, MD 21701
W.M. Dowler, Plant Disease
J.S. Melching, Plant Disease
R.S. Shrum, Plant Disease

NORTH CENTRAL REGION

P.J. Fitzgerald, Regional Administrator

Northern Regional Research Center
1815 N. University St., Peoria, IL 61604
T.L. Mounds, Chairman, Oilseed Crops
A.B. Bagley, Chairman, Horticulture & Special Crops

Lake States Area
J.G. Hartsock, Area Director, 2700 Kent Ave., W. Lafayette, IN 47906
Purdue University, W. Lafayette, IN 47907
J.R. Wilcox, Breeding & Production
M.L. Swearingin, Soybean Production
A. Walker, Breeding & Production, Ohio Agricultural Research & Development Center, Wooster, OH 44691
W. 321 Turner Hall, 1102 S. Goodwin, IL 61801
R.W. Rinne, Breeding & Production
J.W. Hummel, Production & Harvesting Equipment
D.I. Edwards, Plant Disease & Nematode Control
L.M. Wax, Weed Control

Mid-Great Plains Area
(KS, NE, IA, MO)
University of Missouri, Columbia, MO 65201
C.W. Alexander, Area Director, 800 N. Providence Rd.
V.D. Luedders, Breeding & Production
M.R. Gebhardt, Pest Control Equipment
Iowa State University, Ames, IA 50010
J.M. Dunleavy, Breeding & Production
D.C. Erbach, Production & Harvesting Equipment, Pest Control Equipment, Tillage Practices
U.S. Grain Marketing Research Laboratory 1515 College Ave., Manhattan, KS 66502
L.M. Seitz, Technologies for Marketing Products, Toxic Constituents of Food & Feeds
McGaughey, Insect Control in Marketing

Northern States Area
University of Minnesota, St. Paul, MN 55108
K.L. Kebsock, Area Director, North Hall
R.N. Andersen, Weed Control

SOUTHERN REGION

E.L. Kendrick, Regional Administrator

Mid-Atlantic Area
(NC, TN, KY, SC, VA)
North Carolina State University, Raleigh, NC 27607
G.R. Burns, Area Director, Paterson Hall
R.F. Wilson, Breeding & Production
L.D. Young, Plant Disease & Nematode Control, 605 Airways Blvd., Jackson, TN 38301
Coastal Plains Soil & Water Conservation Research Center, P.O. Box 3039, Florence, SC 29502
R.B. Campbell, Tillage Practices
C.R. Camp, Irrigation
C.W. Doty, Drainage

Southeast Area
(AL, GA)
Georgia Coastal Plains Experiment Station, Tifton, GA 31794
D.E. Zimmer, Area Director
N.A. Minton, Plant Disease & Nematode Control
C.C. Dowler, Weed Control
R. Davis, Insect Control in Marketing, Stored Product Insects Research & Development Lab., 3401 Erwin Ave., Savannah, GA 31403
Richard B. Russell, Agricultural Research Center, Athens, GA 30604
J.A. Robertson, Stored Products

Florida-Antilles Area
Dean Davis, Area Director, 1700 SW 23rd Dr., Gainsville, FL 32604
K. Hinson, Breeding & Production, University of Florida, Gainsesville, FL 32611

Delta States Area
(MS, LA, AR)
U.S. Delta States Agricultural Research Center, Stoneville, MS 38776
C.D. Ranney, Area Director
E.E. Hartwig, Breeding & Production
J.R. Willford, Production & Harvesting Equipment
D.F. Martin, Insect Control in Production
C.G. McWhorter, Weed Control
Pest Control Equipment

WESTERN REGION
1333 Broadway, Suite 400, Oakland, CA 94612

H.C. Cox, Regional Administrator
W.G. Chase, Associate Regional Administrator

California-Hawaii-Nevada Area
E.B. Knipling, Area Director, 2021 S. Peach Ave., Fresno, CA 93727
B. Beard, Breeding & Production, University of California University Farm, Davis, CA 95616

STATE RESEARCH EXPERIMENT STATIONS

ALABAMA

Agricultural Experiment Station, Auburn 36849.
Department of Agronomy and Soils, 205-826-4100.
Backman, P.A.; Soybean Pathology
Evans, E.M.; Growth Regulation
Hiltbold, A.E.; Soil Microbiology
Mack, T.; Entomology
Rodriguez-Kabana, R.; Soybean Nematologist
Thurlow, D.L.; Crop Management
Touchton, J.T.; Crop Nutrition
Walker, R.H.; Weed Science
Ward, C.Y.; Administration
Weaver, David B.; Soybean Breeding

Alabama A&M University, Normal 35762.
Department of Natural Resource and Environmental Studies, 205-859-7266.
Pacumbaba, R.P.; Soybean Pathologist
Sapra, Vat T.; Soybean Breeder

ARKANSAS

University of Arkansas, Fayetteville 72701.
Agricultural Experiment Station, 501-575-4446.
Caviness, C.E.; Agronomy, USDA Collaborator, 575-2354
Mueller, A.J.; Entomology, 575-2451
Oliver, L.R.; Agronomy, 575-3955
Riggs, R.D.; Plant Pathology, 575-2548
Robbins, R.T.; Plant Pathology, 575-2548
Stutte, C.; Agronomy, 575-3955
Walters, H.J.; Plant Pathology, 575-2445

University of Arkansas, Pine Bluff 71601.
Porter, O.A.; Agronomy, 541-6859

Arkansas State University, State University 72467.
Widick, D.; Agronomist, 501-972-2085

DELAWARE

University of Delaware, Newark 19711.
Agricultural Experiment Station, Department of Plant Pathology, 302-738-2531.
Carroll, R.B.; Plant Pathology
Mulrooney, R.P.; Plant Pathology
Wisk, E.L.; Agronomy

FLORIDA

Agronomy Department, University of Florida, Gainesville 32611.
Agricultural Experiment Station, 904-392-1811.
Boote, K.J.; Physiologist
Hiebsch, C.K.; Agronomist
Hinson, K.; Breeding, USDA, ARS
Jones, P.; Physiologist
Teem, D.H.; Weed Scientist
Van Vu, C.; Physiologist
West, S.H.; Agronomist (Seeds)

Agricultural Research Center, Rt. 3, P.O. Box 575, Jay 32565. 904-994-5215.
Kinloch, R.A.; Nematologist
Peacock, H.A.; Agronomist

Agricultural Research & Education Center, Rt. 3, Box 638, Quincy 32351, 904-627-9236.
Herzog, D.; Entomologist

GEORGIA

College Experiment Station, Athens 30602.
404-542-2461.
Ashley, D.; Agronomist (Plant Physiology)
Banks, P.; Agronomist (Weed Science)
Boerma, R.; Agronomist (Breeder)
Giddens, J.; Agronomist (Microbiology)

Agricultural Experiment Station, Experiment 30212.
404-228-7263.
Hardcastle, W.S.; Agronomist (Weed Scientist)
Phillips, D.V.; Pathologist

Coastal Plain Experiment Station, Tifton 31794.
912-386-3338.
Parker, M.B., Agronomist
Todd, J.W., Entomologist

ILLINOIS

University of Illinois, Urbana 61801.
Agricultural Experiment Station, 211 Mumford Hall, 1301 W. Gregory Dr., 217-333-0240; Dept. of Ag Econ, 304 Mumford Hall, 1301 W. Gregory Dr., 217-333-1810; Dept. of Ag Eng, 241 Ag Engineering, 1208 W. Peabody Dr., 217-333-3570; Dept. of Ag Entomology, 163 Natural Resources, 607 E. Peabody, 217-333-6656; Dept. of Agronomy, W-201 Turner Hall, 1102 S. Goodwin, 217-333-3420; Dept. of Food & Science, 567 Bevier Hall, 905 S. Goodwin Ave., 217-333-0130; Dept. of Plant Pathology, N-519 Turner Hall, 1102 S. Goodwin Ave., 217-333-3170.
Banwart, W.L.; Agronomy
Bernard, R.L.; Agronomy, USDA Collaborator
Boyer, J.S.; Agronomy & Botany, USDA Collaborator
Bravo, J.; Agronomy
Camacho, L., Agronomy
Cheryan, M.; Food Science
Cole, M.A.; Agronomy
Edwards, D.I.; Plant Pathology, USDA Collaborator
Erdman, J.W.; Food Science
Erickson, D.; Agronomy
Everett, H.W.; Ag Economics
Good, D.L.; Ag Economics
Goodman, R.M.; Plant Pathology
Gray, L.E.; Plant Pathology, USDA Collaborator
Hadley, H.H.; Agronomy
Harper, J.E.; Agronomy, USDA Collaborator
Hauser, R.J.; Ag Economics
Hesketh, J.D.; Agronomy, USDA Collaborator
Hill, L.D.; Ag Economics
Hinton, R.A.; Ag Economics

Hummel, J.W.; Ag Engineering, USDA Collaborator
Hymowitz, T.; Agronomy
Irwin, M.E.; Ag Entomology
Jackobs, J.A.; Agronomy
Kogan, Marcos; Ag Entomology
Kurtz, L.T.; Agronomy
Lim, S.M.; Plant Pathology
McKibben, G.E.; Agronomy
Nelson, R.L; Agronomy
Nickell, C.D.; Agronomy
Noel, G.R.; Plant Pathology, USDA Collaborator
Ogren, W.L.; Agronomy, USDA Collaborator
Paxton, J.D.; Plant Pathology
Peck, T.R.; Agronomy
Pepper, G.E.; Agronomy
Perkins, E.G.: Food Science
Peters, D.B.; Agronomy, USDA Collaborator
Portis, A.R.; Agronomy, USDA Collaborator
Raymer, P.L.; Agronomy
Rinne, R.W.; Agronomy, USDA Collaborator
Rodda, E.D.; Ag Engineering
Sinclair, J.B.; Plant Pathology
Stearn, W.C.; Agronomy
Stoller, E.W.; Agronomy, USDA Collaborator
Vasilas, B.L.; Agronomy
Wax, L.M.; Agronomy, USDA Collaborator
Walker, W.M.; Agronomy
Wei, L.S.; Food Science
Welch, L.F.; Agronomy
Widholm, J.M.; Agronomy

INDIANA

Agricultural Experiment Station, West Lafayette 47907. 317-494-8360.
Abney, T.; Botany & Plant Pathology, USDA Collaborator
Athow, K.L.; Botany & Plant Pathology
Edwards, C.R.; Entomology
Koller, H.R.; Agronomy
Laviolette, F.A.; Botany & Plant Pathology
Swearingin, M.L.; Agronomy
Wilcox, J.R.; Agronomy, USDA Collaborator

IOWA

Agricultural and Home Economics Experiment Station, Iowa State University, Ames 50011. 515-294-4762.
Anderson, I.C.; Physiology, Agronomy Dept.
Baumel, P.; Ag Economics Dept.
Buchele, W.F.; Ag Engineering Dept.
Burris, J.S.; Seed Physiology, Plant Path., Seed & Weed Sci.
Cianzio, S.R.; Breeder, Agronomy Dept.
Cruse, R.M.; Tillage, Agronomy Dept.
Dunleavy, J.M.; Diseases, Plant Path., Seed & Weed Sci.
Epstein, A.H.; Diseases, Plant Path., Seed & Weed Sci.
Erbach, D.; Tillage, USDA Collaborator, Ag. Engr. Dept.
Fehr, W.R.; Breeder, Agronomy Dept.
Green, D.E.; Breeder, Agronomy Dept.
Hammond, E.G.; Food Tech. Dept.
Hanway, J.J.; Mineral Nutrition, Agronomy Dept.
Hill, J.H.; Seed Pathology, Plant Path., Seed & Weed Sci.
Imsande, J.; Genetics Dept.
Ladd, G.W.; Ag Economics Dept.
Love, J.A.; Food Processing, Food Technology Dept.
Lovely, W.G.; Tillage, Ag Engr. Dept.
Loynachan, T.E.; Nitrogen Fixation, Agronomy Dept.
McGee, D.C.; Seed Pathology, Plant Path., Seed & Weed Sci.
Meyers, W.H.; Ag Economics Dept.
Misra, M.K.; Soybean Seed Processing, Plant Path., Seed & Weed Sci.
Mullen, R.E.; Seed Quality, Agronomy Dept.
Norton, D.C.; Diseases, Plant Path., Seed & Weed Sci.
Palmer, R.G.; Cytogenetics, USDA Collaborator, Ag Dept.
Pedigo, L.; Insects, Entomology Dept.
Sadanaga, K.; Cytogenetics, Genetics Dept.
Shaw, R.H.; Climatology, Agronomy Dept.
Shibles, R.M.; Physiology, Agronomy Dept.
Staniforth, D.W.; Weed Control, Plant Path., Seed & Weed Sci.
Tachibana, H.; Diseases (bacteriological) Plant Path., Seed & Weed Sci., USDA Collaborator
Webb, J.R.; Soybean Fertilization, Agronomy Dept.
Whigham, D.K.; Soils Management, Agronomy Dept.
Wilson, L.A.; Food Processing, Food Tech. Dept.

KANSAS

Southeast Kansas Branch Experiment Station, Mound Valley 67354. 316-328-3211.
Dougherty, R.; Crops and Soils
Kelley, K.W.; Crops and Soils

Kansas State University, Manhattan 66506. 913-532-6101.
Davis, L.; Biochemistry
Schapaugh, W.; Agronomy, Soybean Breeder
Schwenk, F.; Plant Pathology, Soybean Pathologist

KENTUCKY

University of Kentucky, Lexington 40506, 606-257-9000; Coll. of Agriculture, 606-257-4772; Kentucky Agric. Experiment Station, 606-257-2333; Dept. of Agronomy, 606-257-7310; Dept. of Entomology, 606-257-7450; Dept. of Plant Pathology, 606-257-2759.
Egli, D.; Physiology, 257-7317
Chapman, R.; Pathology, 257-4819
Hilsebrand, D.; Biochemical Genetics, 257-7319
Pfeiffe., T.; Breeder, 257-4678
TeKrony, D.; Seed Quality, 257-3878
Witt, W.; Weed Science, 257-1823
Wood, J.M.; Variety Testing, 257-2993
Yeargan, K.V.; Entomology, 257-7454

LOUISIANA

Louisiana State University, Baton Rouge 70893.
Louisiana Agricultural Experiment Station, 504-388-4182.
Berggren Jr., G.T.; Plant Pathology, 388-1464
Board, J.E.; Agronomy, 388-3381
Boethel, D.J.; Entomology, 388-1634
Dunigan, E.P.; Agronomy, 388-2110
Harger, T.E.; Weed Science, 388-1464
Harville, B.G.; Agronomy, 388-3381
Larson, A.D.; Microbiology, 388-2601
Mayeux, M.; Ag Engineering, 388-3153
McGawley, E.C.;Nematology, 388-1464
Newsom, L.D.; Entomology, 388-1634
Paxton, K.W.; Ag Economics & Agribusiness 388-3282
Sutherry, J.E.; Agronomy, 388-3949
Tully, R.E.; Crop Physiology, 388-1464

Dean Lee Agriculture Center, LSU-A, Alexandria 71301. 318-445-3672.
Marshall, J.G.; Agronomist

Iberia Experiment Station, Box 466, Jeanerette, LA 70544
Hallmark, W.B.; Agronomy

Northeast Louisiana Experiment Station, P.O. Box 438, St. Joseph, 71366. 318-766-3769.
Boquet, D.J.; Agronomist
Crawford, S.A.; Ag Engineer
Hutchinson, R.L.; Agronomist
Retzinger Jr., E.J.; Weed Science

Rogers, R.L.; Plant Pathology & Physiology (Superintendent)

Red River Valley Experiment Station, Box 5477, Bossier City 71111.
318-747-0130.
McBride, J.M.; Plant Pathology, (Superintendent)
Rabb, J.L.; Agronomist

Rice Experiment Station, P.O. Box 1429, Crowley 70526.
318-783-4373.
Griffin, J.L.; Agronomy

MARYLAND

Dept. of Agronomy, University of Maryland, College Park 20742.
301-454-4695.
Kenworthy, W.J.; Plant Breeding & Production
Wiebold, W.J.; Plant Physiology

MINNESOTA

Agricultural Experiment Station, St. Paul 55108.
Anderson, R.N.; Weed Control, Dept. of Agronomy and Plant Genetics, USDA Collaborator, 612-373-0877
Brun, W.; Physiology, Dept. of Agronomy and Plant Genetics, 373-1510
Graham, P.H.; Soils, Dept. of Soil Sci., 373-0788.
Kennedy, B.W.; Pathology, Plant Pathology Dept., 373-1351
Orf, J.H.; Genetics & Plant Breeding, Dept. of Agronomy and Plant Genetics, 373-0861

MISSISSIPPI

Mississippi Agricultural And Forestry Experiment Station, P.O. Box 5248, Mississippi State 39762. 601 325-2311.
Whisler, F.D.; Agronomy
Lancaster, J.D.; Agronomy
Hodges, H.F.; Agronomy
Peterson, H.L.; Agronomy

Delta Station, P.O. Box 197, Stoneville 38776.
601-686-9311.
Barrentine, W.L.
Hartwig, E.E.; USDA Collaborator
Heatherly, L.G.; USDA Collaborator
Hurst, H.H.
Keeling, B.L.; USDA Collaborator
Kilen, T.C.; USDA Collaborator
Kurtz, M.E.
Lambert, L.; USDA Collaborator
McWhorter, C.G.; USDA Collaborator
Tupper, G.R.
Wesley, R.A.; USDA Collaborator
Wills, G.D.

South Mississippi Station, P.O. Box 193, Poplarville 39470.
601-795-4525.
Hovermale, C.H.

MISSOURI

Agricultural Experiment Station, University of Missouri, Columbia 65211, 314-882-7488.
Blevins, D.G.; Soybean Physiology
Brown, M.F.; Microbiology
Dropkin, V.H.; Nematodes
Emerich, D.W.; Biochemistry
Fletchall, O.H.; Weed Control
Helsel, D.G.; Soybean Breeding & Genetics
Helsel, Z.R.; Soybean Production
Kerr, H.D.; Weed Control
Minor, H.C.; Ecology
Polacco, J.C.; Biochemistry
Sehgal, O.P.; Virology
Teague, W.R.; Soil Physiology
Wyllie, T.D.; Diseases

University of Missouri Delta Center, P.O. Box 160, Portageville 63873. 314-379-5431.
Anand, S.C.; Soybean Breeding
Francl, L.J.; Cyst Nematode Pathology
Muir, J.H.; Soil Fertility

NEBRASKA

University of Nebraska, Lincoln 68583.
Nebraska Agricultural Experiment Station, 402-472-2045; Dept. of Ag. Biochemistry, 402-472-2932; Dept. of Agronomy, 402-472-2811; Dept. of Food Science & Tech., 402-472-2831.
Handel, A.P. III, Food Science & Technology
Klucas, R.V.; Agricultural Biochemistry
Specht, J.E.; Agronomy
Wagner, F.W.; Agricultural Biochemistry
Williams, J.H.; Agronomy

NEW YORK

Agricultural Experiment Station, Ithaca 14853.
607-256-5459.
Duke, W.B.; Agronomy
Wright, M.J.; Agronomy
Zobel, R.W.; Agronomy, USDA Collaborator

NORTH CAROLINA

N.C. Agricultural Research Service, Raleigh 27650, 919-737-2718.
Burton, J.W.; Crop Science, USDA Collaborator
Coble, H.D.; Crop Science
Gross, H.D.; Crop Science
Hanson, W.D.; Genetics
Israel, D.W.; Soil Science, USDA Collaborator
Kamprath, E.J.; Soil Science
Ross, J.P.; Plant Pathology, USDA Collaborator
Schmitt, D.P.; Plant Pathlogy
Van Duyn, J.W.; Entomology
Wilson, R.F.; Crop Science, USDA Collaborator

NORTH DAKOTA

North Dakota State University, Fargo 58105, 701-237-7971.
Whited, D.S.; Agronomy, Soybean Breeder

OHIO

Ohio Agricultural Research & Development Center, Wooster 44691. 216-264-1021.
Cooper, R.L.; USDA Plant Breeder
Hammond, R.B.; Entomologist
Jeffers, D.L.; Agronomist
Mederski, H.J.; Agronomist
Schmitthenner, A.F.; Pathologist
Streeter, J.G.; Agronomist
Walker, A.K.; Plant Breeder

Ohio State University, Columbus 43210, 614-422-2001.
Beuerlein, J.E.; Agronomist
Jordon, G.L.; Weed Scientist
St. Martin, S.; Agronomist

SOUTH CAROLINA

Clemson University, Clemson 29631.
Agronomy & Soils, 803-656-3104; Ag Engineering, 803-656-3250; Entomology, Fisheries & Wildlife, 803-656-3112; Food Science, 803-656-3397; Plant Pathology & Physiology, 803-656-3450.
Shepard, B.M.; Entomology, Fisheries & Wildlife, 803-656-3111
Shipe, E.R.; Agronomy & Soils, 803-656-3102

Edisto Experiment Station, P.O. Box 247, Blackville 29817, 803-284-3343.
Musen H.L.; Agronomy & Soils
Sullivan, M.J.; Entomology, Fisheries & Wildlife
Turnipseed, S.G.; Entomology, Fisheries & Wildlife

SOUTH DAKOTA

South Dakota State University, Brookings 57007; Agricultural Experiment Station, 605-688-4149; Dept. of Plant Science, 605-688-5121.
Arnold, W.E.; Weed Control
Dybing, C.D.; Physiologist
Ferguson, M.W.; Pathologist
Schumacher, T.E.; Soil Physics
Shubeck, F.E.; Fertility
Sogn, A.B.; Marketing

TENNESSEE

University of Tenessee, P.O. Box 1071, Knoxville 37901. 615-974-7101.
Allen, F.; Plant & Soil Science
Seatz, L.F.; Plant & Soil Science

West Tennessee Experiment Station, Jackson 38301. 901-424-1643.
Hayes, R.M.; Plant & Soil Science
Young, L.D.; Nematologist

TEXAS

Texas A&M University Agricultural Research & Extension Center, Rt. 3, Lubbock 79401. 806-746-6101.
Brigham, R.D.; Breeder, USDA Collaborator
Young, J.K.; Agronomist

Texas A&M University Agricultural Research & Extension Center, Beaumont 77706. 713-752-2741.
Bowers, G.; Breeder
Si , J.; Physiologist

VIRGINIA

Agricultural Experiment Station, Blacksburg 24061. 703-961-6305.
Buss, G.R.; Geneticist

Eastern Virginia Research Station, Warsaw 22572. 804-333-5255.
Camper Jr., H.M.;Superintendent, USDA Collaborator

WISCONSIN

University of Wisconsin, Madison 53706. 608-262-1390.
Gritton, E.T.; Agronom , USDA Collaborator
Oplinger, E.S.; Agronomy
Schrader, L.E.; Agronomy

FOREIGN AGRICULTURAL SERVICE, USDA

Richard A. Smith—Admin.
Jimmy D. Minyard—Asst. Admin., Commodity & Mktg. Programs
Philip L. Mackie—Dir., O&P Div.
Leon Mears—Dep. Dir., Marketing, O&P Div.

COUNSELORS & AGRICULTURAL ATTACHES

C/O American Embassy in city listed—

ARGENTINA, URUGUAY, PARAGUAY—Lawrence E. Hall, Buenos Aires
AUSTRALIA—Brice K. Meeker (Counselor), Canberra
AUSTRIA, HUNGARY, CZECHOSLOVAKIA—Nicholas M. Thuroczy (Counselor), Vienna
BANGLADESH—Robert W. Johnson, Dacca
BELGIUM, LUXEMBOURG—James Lankford (Counselor), Brussels
BRAZIL—G. Stanley Brown (Counselor), Brasilia
CANADA—Alexander Bernitz (Counselor), Ottawa
CHILE—Lawrence (Bob) Fouchs, Santiago
CHINA, PEOPLE'S REPUBLIC OF—Jerome M. Kuhl (Counselor), Beijing
COLOMBIA—Lloyd I. Holmes (Counselor), Bogota
COSTA RICA, PANAMA—Franklin D. Lee, San Jose
DENMARK, NORWAY—Edmund L. Nichols (Counselor), Copenhagen
DOMINICAN REPUBLIC, BAHAMAS, FRENCH WEST INDIES, HAITI, JAMAICA—Marvin Lehrer, Santo Domingo
ECUADOR—Leonidas (Bill) Emerson, Jr., Quito
EGYPT, ARAB REPUBLIC OF—Verle E. Lanier, (Counselor), Cairo
FRANCE—Frank A. Padovano (Counselor), Paris
GERMAN DEMOCRATIC REPUBLIC—Steven D. Yoder, Berlin
GERMANY, FEDERAL REPUBLIC OF—Richard L. Barnes (Counselor), Bonn
GREECE—Gerald W. Shelden (Counselor), Athens
GUATEMALA, BELIZE, EL SALVADOR, HONDURAS, NICARAGUA—Robert Anlauf (Counselor), Guatemala City
INDIA, SRI LANKA—W. Garth Thorburn (Counselor), New Delhi
INDONESIA—George J. Pope (Counselor), Jakarta
IRELAND—Margaret A. Mason, Dublin
ISRAEL, CYPRUS, TURKEY—Alfred R. Persi, Tel Aviv
ITALY—James P. Rudbeck (Counselor), Rome
IVORY COAST, LIBERIA, GUINEA, SENEGAL, SIERRA LEONE, ZAIRE—Walter A. Stern, Abidjan
JAPAN—William L. Davis, Jr. (Counselor), Tokyo
KENYA, ZAMBIA, TANZANIA—Harold Norton, Nairobi
KOREA—James Freckmann (Counselor), Seoul
LEBANON—Pitamber Devgon, Beirut
MALAYSIA, BRUNEI—Daniel Conable, Kuala Lumpur
MEXICO—John E. Montel (Counselor), Mexico City
MOROCCO —Forrest K. Geerken, Rabat
NETHERLANDS—Clancy Jean (Counselor), The Hague
NEW ZEALAND—L. Ben Thompson, Wellington
NIGERIA, GHANA, CAMEROON—Christopher Goldthwait, Lagos
NORWAY—Edmund L. Nichols (Counselor), Oslo
PAKISTAN—John J. Reddington, Islamabad
PERU, BOLIVIA—Norval E. Francis Jr., Lima
PHILIPPINES—John E. Riesz (Counselor), Manila
POLAND—Guy Haviland (Counselor), Warsaw
PORTUGAL—Mollie J. Iler, Lisbon
ROMANIA—Larry L. Panasuk, Bucharest
SOUTH AFRICA, LESOTHO, BOTSWANA, ZIMBABWE, SWAZILAND—John A. Williams, Pretoria
SPAIN—Fred W. Traeger (Counselor), Madrid
SWEDEN, FINLAND—William P. Huth, Stockholm
SWITZERLAND—Robert S. FitzSimmonds (Counselor), Bern
SYRIA, LEBANON, JORDAN, IRAQ—Pitamber Devgon, Damascus
THAILAND—Robert C. Tetro, Bangkok
TURKEY—Alfred R. Persi, Ankara
UNION OF SOVIET SOCIALIST REPUBLICS (USSR)—Harlan J. Dirks (Counselor), Moscow
UNITED KINGDOM, GREAT BRITAIN, NORTHERN IRELAND—Turner Oyloe (Counselor), London
URUGUAY—Lawrence E. Hall, Montevideo
VENEZUELA, BARBADOS, GUYANA, NETHERLANDS ANTILLES, SURINAM, TRINIDAD, TOBAGO—Harry C. Bryan (Counselor), Caracas
YUGOSLAVIA, BULGARIA—Roger S. Lowen (Counselor), Belgrade

GOVERNMENTAL BUYING AGENCIES

CHINA—Ministry of Foreign Trade, Beijing .

COLOMBIA—Gerente General, IDEMA, Carrera 10 No. 16-82, Bogota, D.E., Ph. 282-9911, 283-3084.

EGYPT—Deputy Chr., General Authority for Supply Com., 24 Gomhoria St., Cairo, Ph. 937175; TLX: 2062.

Chr., General Poultry Co., El Zawiael Hamra, Cairo, Ph. 830958.

INDIA—State Trading Corp. of India, Ltd., Chandrolok 36 Janpath, New Delhi 110001, Ph. 322204; TLX: ND 2167-68-3057; CABLE: ESTICI.

IRAQ—Gen. Dir., State Co. for Animal Feed P.O. Box 11153, Baghdad, Ph. 68231; TLX: 2223 (YAKTEEN IK).

Dir. Gen., State Co. for Animal Production, P.O. Box 10090, Karradah Sharkia-Irkaitah, Karadet Mariam, Alwiya, Baghdad, Ph. 98974.

Dir. Gen., General Co. for Vegetable Oils, P.O. Box 2379, Baghdad, Ph. 99094, TLX: 2221 (ZUYOUT IK); CABLE: SUYOUT BAGHDAD.

Asst. Dir. Gen., General Poultry Co., P.O. Box 431 Banks St., Baghdad, Ph. 89101; CABLE: MADAGEN BAGHDAD.

Dir. Gen., State Co. for Animal Feed, Fudaylia, Near Mastal Petrol Station, P.O. Box 20017, Baghdad.

JORDAN—Mgr., General Co. for Vegetable Oils, Amman, Ph. 95171.

KOREA—Soybeans—government stock only: Chong Seok Yoo. Dir. of Foreign Affairs, Office of Supply/Republic of Korea, 48-26 In Eui-dong, Chongro-ku, Seoul, Ph. 764-0713; TLX: K 23703 (OSROK).

Bean sprouts—Yong Kyun Cho, Dir. of Trading, Agriculture and Fishery Development Corp., 65-228 Hankang-ro 3-ka, Yongsan-ku, C.P.O. Box 3212, Seoul, Ph. 794-2027; TLX: AAFDC K 23297.

Tofu—Jung Rak Kim, Pres., Korea Soybean Curd Co-op. Federation, 198-1 Kwanhoon-dong, Chongro-ku, Seoul, Ph. 725-6763, 722-1720, 725-7273.

Feed—Man Kyu Lee, Mgr. of Business, Korea Feed Assoc., 6-1 Namdaemoonro 5-ka, Chung-ku, C.P.O. Box 3473, Seoul, Ph. 777-7686; TLX: KOFEED K 22835.

MEXICO—CONASUPO, Direccion General, Avenida Juarez # 92, 06000, Mexico, D.F.

MOROCCO—Dir. Gen., Service de Industries Alimentaires, Direction de l'Industrie, Minister de l'Industrie, Rabat.

SYRIA—Dir. Gen., General Org. of Food Industries (GOFI), P.O. Box 105, Damascus, Ph. 225290; TLX: 19154 (GOFI).

Gen. Dir., General Org. for Fodder, P.O. Box 4797, Damascus, Ph. 22168; TLX: 11089.

Gen. Dir., General Org. for Poultry, P.O. Box 5597, Damascus, Ph. 558639; TLX: 11270 (TAFCO SY).

TUNISIA—Dir. Gen., Union Tunisienne Industrie du Commerce et de l'Arisanai, 32, Rue Charles de Gaulle, Tunis. (Oil industry)

Asst. Dir. Gen. of the Office of Cereals, 30 Rue Alain Savary, Tunis, Ph. 286628; TLX: OFIBLE 13449 PN. (Import and export of cereal products)

If you are in some way connected with oilseeds, oils, fats or meals and should not know our service we suggest you send us the attached coupon or write us for a free copy of

OIL WORLD

with STATISTICS UPDATE -
.forecasts and statistics, classified by commodities as well as countries and updated weekly.

Since 1958 OIL WORLD – with its authoritative, independent and therefore unbiased facts, analyses, forecasts and opinion – has served the buying/selling decision-makers and the market research men in industry, trade, associations and government agencies in about 100 countries throughout the world. It is, in fact, the world's only independent information service devoted exclusively to market analysis and forecasting in the whole field of oilseeds, oils, fats, and meals. The following comment of a reader is representative of the judgement of many: "OIL WORLD is without a doubt the best information service of its kind in the world."

USDA comments: "Your record of service in providing current information to the fats and oils industry throughout the world is without parallel and we congratulate you."

Coupon

(Please mail to:)

ISTA

P.O. Box 900803

21 Hamburg 90

West Germany

Please send us 1-2 free copies of OIL WORLD plus the conditions of subscription.

Name and address:

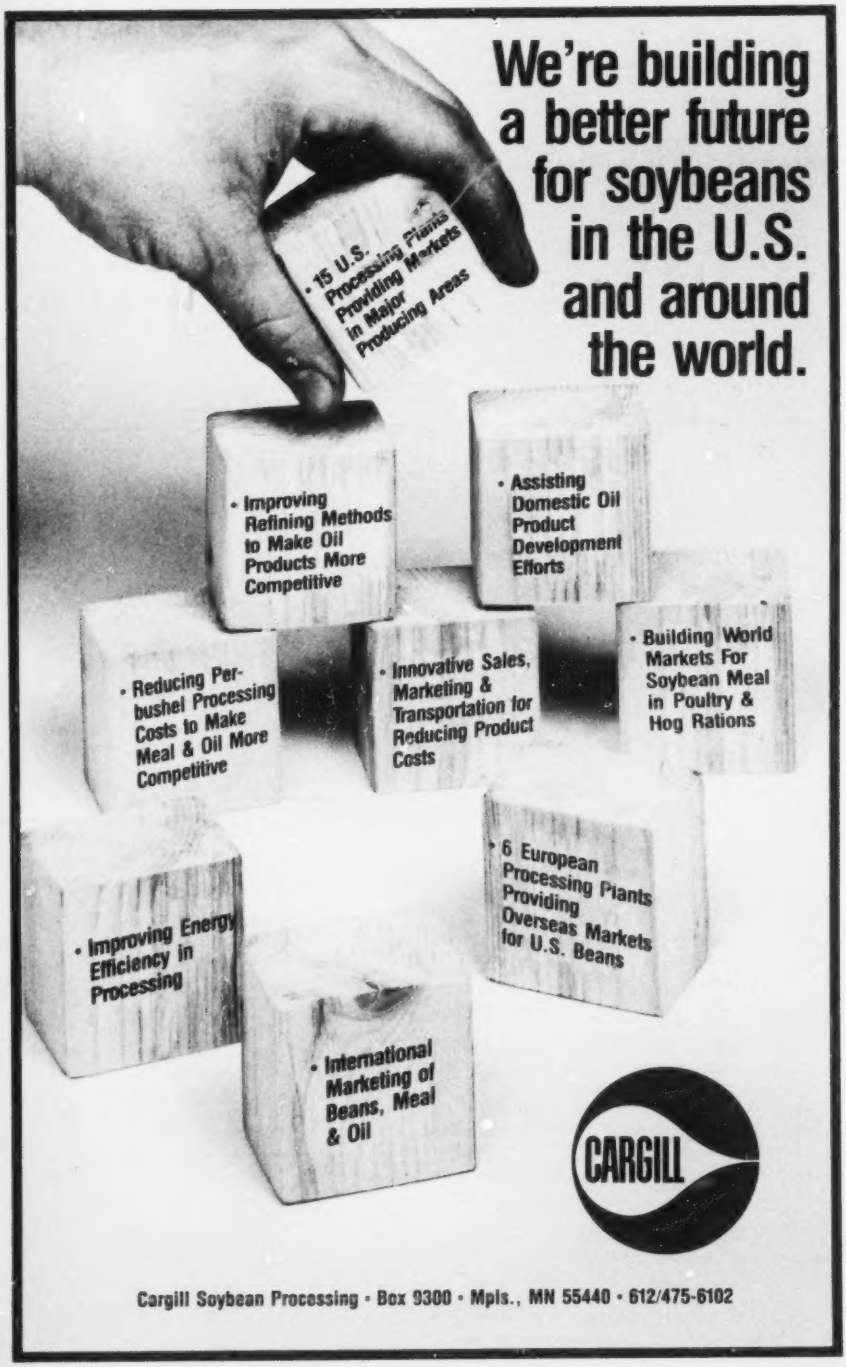
_____

_____

Type of business:

_____

_____


We're building a better future for soybeans in the U.S. and around the world.
• 15 U.S. Processing Plants Providing Markets in Major Producing Areas
• Improving Refining Methods to Make Oil Products More Competitive
• Assisting Domestic Oil Product Development Efforts
• Reducing Per-bushel Processing Costs to Make Meal & Oil More Competitive
• Innovative Sales, Marketing & Transportation for Reducing Product Costs
• Building World Markets For Soybean Meal in Poultry & Hog Rations
• Improving Energy Efficiency in Processing
• 6 European Processing Plants Providing Overseas Markets for U.S. Beans
• International Marketing of Beans, Meal & Oil
CARGILL
Cargill Soybean Processing • Box 9300 • Mpls., MN 55440 • 612/475-6102

soy directory

The Soy Directory is a compilation of companies that process or handle soybeans worldwide. Five categories divide these firms into similar interests.

The first two sections list by location oil extraction plants/refineries. Company name and function, address, phone, telex and contact person(s) are listed first. Company function is designated by the following initials: (P) processor, (R) refiner, (SF) soyfood manufacturer (IP), industrial product manufacturer. Type of processing equipment, tons per day, processing capacity, total storage capacity and transportation service available are highlighted.

Soyfood and Industrial Product Manufacturers sections are next. Companies are listed by general product categories with the firm's products highlighted within the individual listing. The remaining section is devoted to exporters of soybeans and soybean products.

Information for these listings was obtained through questionnaires sent directly to the companies. Updated listings of non-U.S. firms responding to questionnaires are indicated by an asterisk (*). The information is as complete as possible, but the publisher of *Soya Bluebook* will not be responsible for any omissions which may have been made unavoidably. Established policy of some firms restricts information available for publication.

U.S. OIL EXTRACTION PLANTS/REFINERIES....24
NON-U.S. OIL EXTRACTION PLANTS/REFINERIES....35
SOYFOODS MANUFACTURERS....55
INDUSTRIAL PRODUCT MANUFACTURERS....79
EXPORTERS....92

u.s. oil extraction plants/refineries

ALABAMA

BUNGE CORP. (P)
1400 Market St., Decatur 35602; Main office: New York, NY; TLX: RCA 233554, ITT 420099.
CONTACT PERSON: Tom Pfendler, Dist. Mgr.
Solvent cap. 2,500T, soy meal, crude and crude degummed oil. Served by truck, rail and barge.

CONTINENTAL GRAIN CO. (P R)
Guntersville 35976, Ph. 205-582-5614; Main office: 277 Park Ave., New York, NY.
CONTACT PERSON: Richard D. Day
Solvent cap. 1,000T. Degumming.

ARKANSAS

ARCHER DANIELS MIDLAND COMPANY (P)
Foot of E. 9th St., Little Rock 72203, Ph. 501-372-0277; Main office: Decatur, IL; TLX: 250121.
CONTACT PERSON: Duane Stroh, Plant Mgr.
Hexane solv.; Archer 44% and 48%. Served by rail.

CARGILL INC. (P)
P.O. Box 528, Osceola 72370, Ph. 501-563-5263; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: C.L. Smith
Hexane solv. cap. 1,500T, Cargill soy meal. Served by rail.

FARMLAND INDUSTRIES, INC. (P)
Soybean processing plant, P.O. Box 389, Van Buren 72956, Ph. 501-474-6871; TWX: 910-720-6869.
CONTACT PERSON: Larry D. Heatherington
Solvent cap. 700T, Storage cap. 1,000,000 bu. High Protein soy meal. Served by truck and rail.

RICELAND FOODS (P R SF IP)
Helena 72342; Main office: 2120 S. Park Ave., Stuttgart, AR.
CONTACT PERSON: W.E. Higginbothom, Mgr.
Solvent cap. 1,500T, 44% and 49% soy meal. Refining, degumming and deodorizing. Served by rail.

RICELAND FOODS (P R SF IP)
2120 S. Park Ave., Stuttgart 72160, Ph. 501-673-5500; Cable: Arkango; TWX: 910-720-6240.
CONTACT PERSON: George Vickers, Div. Mgr.
Solvent cap. 2,000T, 44% and 49% soy meal. Refining, degumming and deodorizing. Served by rail.

SOUTHERN COTTON OIL CO. (P)
Div. of ADM, Cottonseed and Soybean Plant, 324 Buckeye St., North Little Rock 72119, Ph. 501-945-1414.
CONTACT PERSON: John Adams

CALIFORNIA

ANDERSON, CLAYTON FOODS (R)
P.O. Box 10051, Fresno 93745, Ph. 209-233-5786.
CONTACT PERSON: Tom Bostic, Mgr.

BEST FOODS DIV. CPC INTERNATIONAL INC. (R)
San Francisco 94110; Main office: Englewood Cliffs, NJ; TLX: 135440.
CONTACT PERSON: C.A. Craven, Mgr. Ref. Oil Sales
Fully refined and hydrogenated oil.

There's a Bunge elevator near you to give you top dollar for your soybeans

Bunge is one of the nation's leading exporters of soybeans, soybean oil and soybean meal. Because we do such a large volume of business, we're in the market for soybeans 365 days a year. And we pay the best possible price for your beans—by the truckload or by the carload!

We also pride ourselves on our service. Each of our elevators is run by professionals who know market conditions . . . make sure that you're unloaded swiftly . . . and see that you're paid promptly.

Where to Sell

Bunge Corporation has elevators strategically located throughout soybean country in Arkansas, Mississippi, Louisiana, Kentucky and Tennessee with district headquarters in Greenville, Mississippi, and Osceola and Pine Bluff, Arkansas.

Other Bunge offices service farmers in Southern Illinois and Eastern Missouri as well as soybean growers in other sections of the United States.

Remember . . . if you want the best in price and service, see Bunge before, during or after the harvest season.

BUNGE CORPORATION

One of America's leading exporters of soybeans

One Chase Manhattan Plaza, New York, N.Y. 10005

HUMKO PRODUCTS, KRAFT INC. (R)
Buena Park 90622, Ph. 714-523-0370; Main office: Whitestation Towers, P.O. Box 398, Memphis, TN.
Refine and deodorize cottonseed, soybean, peanut and other vegetable oils.

HUNT-WESSON FOODS INC. (R SF)
1645 W. Valencia Dr., Fullerton 92634.
Refining and deodorizing.

LEVER BROS. CO. (R)
6300 E. Sheila St., Los Angeles 90022.
Refining and deodorizing. Served by truck/rail.

LIBERTY VEGETABLE OIL CO. (P R)
P.O. Box L, Norwalk 90650, Ph. (Norwalk) 213-921-3567, (Los Angeles) 213-773-2092; TLX: 691-608.
CONTACT PERSON: C.W. Adams, VP
8 continuous press cap. 120T, storage cap. 300,000 bu. Refining, bleaching, deodorizing and winterizing. Served by rail.

PROCTER & GAMBLE MFG. CO. (R)
P.O. Box 440, Long Beach 90801.

DELAWARE

TOWNSEND'S INC. (P)
Millsboro 19966, Ph. 302-934-9221.
CONTACT PERSON: George A. Adkins, VP
Hexane solv., cap. 1,000T, storage cap. 7,280,000 bu. TOWNSEND'S INC. soymeal, mixed feeds and pellets.

GEORGIA

ARCHER DANIELS MIDLAND CO. (P)
P.O. Box 729, Augusta 30903, Ph. 404-722-8866; Main Office: Decatur, IL; TLX: 250121.
CONTACT PERSON: Gene Smith, Plant Mgr.
Hexane solv., Archer 44% and 48% soy meal. Served by rail.

CARGILL INC. (P R)
P.O. Box 1298, 949 Ridge Rd., Gainsville 30501, Ph. 404-535-3100; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Edgar T. Savidge
Solvent cap. 1,500T, CARGILL soy meal. Refined edible and hydrogenated oils. Served by rail.

GOLD KIST INC. (P)
Box 2210, Atlanta 30301, Ph. 404-393-5050; TLX: 54-2338 & 70-8404.
CONTACT PERSON: Donald Price or C. Nash Lindsey, Div. Mgrs.

GOLD KIST SOY (P)
Box 1589, Valdosta 31601, Ph. 912-242-0100.
CONTACT PERSON: G. Marshall Smitherman, Div. Mgr.
Solvent cap. 1,875T/day, storage cap. 6 million bu., soy meal, crude and crude degummed oil.

HUNT-WESSON FOODS INC. (R SF)
P.O. Box 247, Savannah 31402.
Refining and deodorizing.

PROCTER & GAMBLE MFG. CO. (R)
P.O. Box 9, Macon 31202.

ILLINOIS

ANDERSON CLAYTON FOODS (R)
P.O. Box 368, Jacksonville 62650, Ph. 217-245-4134.
CONTACT PERSON: Ray Scott, Mgr.

ARCHER DANIELS MIDLAND CO. (P R SF IP)
4666 Faries Pkwy., Decatur 62526, Ph. 217-424-5200; TLX: 250121; Plants at: Augusta, GA; Decatur, Galesburg and Granite City, IL; Mankato and Red Wing, MN; Fredonia, KS; North Kansas City, MO; Lincoln and Fremont, NE; Kershaw, SC.
CONTACT PERSON: Harry Ground, Plant Mgr.
Hexane solv., ARCHER 44%, 48%, 49% and 50% soy meal; soy meal pellets; mixed feed; crude, crude degummed, once refined, fully refined and hydrogenated oil; defatted, low-fat soy flour, soy concentrate, TVP; ARCHER soy cooking and salad oil; deodorizing and winterizing. Served by truck, rail and barge.

ARCHER DANIELS MIDLAND CO. (P)
1021 S. Henderson St., Galesburg 61401, Ph. 309-343-1155; Main office: Decatur, IL; TLX: 250121.
CONTACT PERSON: John Hansen, Plant Mgr.
Served by rail.

ARCHER DANIELS MIDLAND CO. (P)
P.O. Box 1249, Granite City 62040, Ph. 618-451-2200; Main office: Decatur, IL; TLX: 250121.
CONTACT PERSON: Wes Weber, Plant Mgr.
Hexane solv., Archer 44% and 49%, soy meal pellets. Served by rail.

BEST FOODS DIV. CPC INTERNATIONAL INC. (R)
Chicago 60623, Main office: Englewood Cliffs, NJ; TLX: 135440.
CONTACT PERSON: C.A. Craven, Mgr. Ref. Oil
Fully refined and hydrogenated oil.

BUNGE CORP. (P)
P.O. Box 113, Cairo 62914, Ph. 618-734-4141; Main office: New York, NY; TLX: RCA 233554, ITT 420099.
CONTACT PERSON: Pat Reisner, District Mgr.
Cap. 3,000T, soy meal, crude and crude degummed oil. Served by truck, rail, and barge.

BUNGE EDIBLE OIL CO. (R)
P.O. Box 765, Kankakee (Bradley) 60901, Ph. 815-933-0600; TLX: 41800.
CONTACT PERSON: Jack Brady, VP
Refining, hydrogenation and deodorizing.

CARGILL INC. (P R)
1660 LaSalle Bank Bldg., Chicago 60603, Ph. 312-855-2914; Refinery at: 122 St. and Torrence Ave., Chicago 60617, Ph. 312-375-6323; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Al Tennessen
Hexane solv. cap. 1,000T, Cargill soy meal, refined edible and industrial oils. Served by rail.

CENTRAL SOYA (P R SF IP)
Rt. 47 & 9, Box 112, Gibson City 60936, Ph. 217-784-8261; Main office: Fort Wayne, IN; TLX: 276170 CENSOYA FWA A.
CONTACT PERSON: Dave Wilbur
Solvent cap. 1,200T, soy meal; CENTROL lecithin and degummed soy oil; PROMOSOY, an edible soy concentrate; Response, textured soy protein; CENTEX, textured soy flour. Edible and industrial grades of soy flour.

CONTINENTAL GRAIN CO. (P R)
Taylorville 62568, Ph. 217-824-3385; Main office: New York, NY.
CONTACT PERSON: N. Kimpel
Cap. 2,400T. Degumming.

DURKEE FOODS DIV., SCM CORP. (R)
P.O. Box 796, Joliet 60434, Ph. 815-423-5511.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oil; cooking/salad oil. Served by truck, rail and barge.

HUMKO PRODUCTS, KRAFT INC. (R)
Champaign 61823, Ph. 217-356-7213; Main office: Memphis, TN.
Refining and deodorizing cottonseed, soybean, peanut and other vegetable oils.

HUNT-WESSON FOODS INC. (R SF)
4421 W. 31st St., Chicago 60623.
Refining and deodorizing.

KRAFT INC.
Kraft Ct., Glenview, IL 60025, Ph. 312-998-2000.
CONTACT PERSON: Gerald J. Daleiden, VP Oil Procurement
Once refined, fully refined, hydrogenated oil, PARKAY and MIRACLE margarine, KRAFT and RICHTEX shortening, RICHTEX and KRAFT cooking/salad oil. Served by truck and rail.

LAUHOFF GRAIN CO. (P SF)
Div. of Bunge Corp., Danville 61832, Ph. 217-446-4770.
CONTACT PERSON: Larry Friend
Hexane solv. cap. 2,750T. Served by truck and rail.

PROCTER & GAMBLE MFG. CO. (R)
1232 W. North Ave., Chicago 60622.

QUINCY SOYBEAN CO. (P)
1900 Gardner Expwy., P.O. Box 329, Quincy 62306, Ph. 217-224-1800.
CONTACT PERSON: Earle Chamness, VP Eng.
Solvent cap. 3,000T, QUINCY 44% and 48% soy meal and pellets. Served by rail.

RALSTON PURINA CO. (P)
Bloomington 61702, Ph. 309-829-1261; Main office: St. Louis, MO; TLX: 447620 (RALSTON STL).
CONTACT PERSON: D.E. Cordes, Plant Mgr.
Hexane solv. cap. 1,200T, PURINA CHOWS mixed feeds. Served by rail.

J.R. SHORT MILLING CO. (P)
Route 3, Grinnell Rd., Kankakee 60901; Main office: Sears Tower, 233 S. Wacker Dr., Chicago, IL 60606, Ph. 312-876-7070; TWX: 910-632-1459.
CONTACT PERSON: William A. Hoffman, VP
Storage cap. 1,000,000 bu., soy flour for own use. Served by rail.

A.E. STALEY MFG. CO. (P)
P.O. Box 68, Champaign 61823; Main office: Decatur, IL; TLX: ITT 433 0382.
CONTACT PERSON: M.J. Kerber, Plant Mgr., or I.G. Boren, Plant Supt.
Solvent cap. 2,100T, STALEY's soy meal 44% and 49% protein, STALEY's soybean mill run. Served by truck and rail.

A.E. STALEY MFG. CO. (P R SF IP)
22nd & Eldorado Sts., Decatur 62525, Ph. 217-423-4411; TLX: ITT 4330382.
CONTACT PERSON: D.D. Houghton, Mgr.
Hexane solv. cap. 2,500T, STALEY's soy meal 44% and 49% protein, HI PROCON 50% protein soy meal, STALEY's soybean mill run, extracted soy flour and grits. Refining, bleaching, hydrogenation and deodorizing. Served by truck and rail.

INDIANA

ANGOLA SOYA CO. (P)
424 N. Williams St., P.O. Box 358, Angola 46703, Ph. 219-665-2011.
CONTACT PERSON: Reginald Hale, owner
Hexane solv. cap. 5T, storage cap. 1,400 bu., soy meal, extractions of various specialty items. Served by rail.

BUNGE CORP. (P)
R.R. 2, P.O. Box 113, Logansport 46947, Ph. 219-722-3030; Main office: New York, NY; TLX: RCA 233554, ITT 420099.
CONTACT PERSON: Rick Gardner, Dist. Mgr.
Solvent cap. 1,500T. Soy meal and crude oil. Served by truck and rail.

CENTRAL SOYA (P R)
1200 N. Second St., Decatur 46733, Ph. 219-724-2101; TLX: 276170 CENSOYA FWA A; Sales office: Fort Wayne, IN.
CONTACT PERSON: Larry Justice

Solvent cap. 2,400T. Soy meal, CENTROL lecithin, refined industrial soy oil, refined edible soybean, corn and palm oils, packaged vegetable shortening.

CENTRAL SOYA (P R SF IP)
1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne 46801-1400, Ph. 219-425-5100; TLX: 276170 CENSOYA FWA A; Plants at: Decatur & Indianapolis, IN; Gibson City, IL; Belmond, IA; Marion, Delphos & Bellevue, OH; Chattanooga, TN; Utrecht, Netherlands.
Processor of soybeans, producer of refined soy proteins, vegetable oil refiner, grain merchandiser, feed manufacturer, consumer food service and industrial foods processor, soybean meal, natural modified and oil-free grades of lecithin, soy flours, soy grits, CENTEX-textured soy protein, refined industrial soy oils, refined edible soy, corn and palm oils for cooking and salad oil, margarine and shortening, packaged vegetable shortenings.

CENTRAL SOYA (P)
1160 W. 18th St., Indianapolis 46244, Ph. 317-632-8441; Main office: Ft. Wayne, IN; TLX: 276170 CENSOYA FWA A.
CONTACT PERSON: Charles Garing
Cap. 1,200T, soy meal, crude degummed soy oil, CENTROL lecithin.

RALSTON PURINA CO. (P)
Lafayette 47902, Ph. 317-423-1511; Main office: St. Louis, MO; TLX: 44 7620 (RALSTON STL).
CONTACT PERSON: J.R. Bill, Plant Mgr.
Hexane solv. cap. 600T, PURINA CHOWS mixed feeds. Served by rail.

A.E. STALEY MFG. CO. (P)
Frankfort 46041; Main office: Decatur, IL; TLX: ITT 4330382.
CONTACT PERSON: W.H. Camp, Plant Mgr.
Solvent cap. 1,200T, STALEY's soy meal 44% and 49% protein, STALEY's soybean mill run. Served by truck and rail.

IOWA

AMERICAN GRAIN AND RELATED INDUSTRIES (P)
Manning 51455, Ph. 712-653-3985.

AMERICAN GRAIN AND RELATED INDUSTRIES (P)
Soybean Processing Div., 1605 19th St. SW, Mason City 50401, Ph. 515-423-4733.
Hexane solv. cap. 1,000T, storage cap. 1,050,000 bu., North Iowa soybean meal and crude oil. Served by rail.

BOONE VALLEY CO-OP PROCESSING ASSN. (P)
Eagle Grove 50533, Ph. 515-448-4711.
CONTACT PERSON: William C. Lester, CEO
Hexane solv., cap. 4,200T, storage cap. 3,400,000 bu., Co-op soy meal, mixed feeds pellets, crude and crude degummed oil. Served by rail and truck.

CARGILL INC. (P)
411 6th St. NE, Cedar Rapids 52406, Ph. 319-399-4000; Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Robert Carlson
Hexane solv. cap. 2,300T, CARGILL soy meal. Served by rail.

CARGILL INC. (P SF)
1010 10th Ave. SW, Cedar Rapids 52406, Ph. 319-399-4100; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Tony Cahill
Hexane solv., CARGILL soy meal and soy proteins. Served by rail.

CARGILL INC. (P R)
3030 SE Granger, Des Moines 50306, Ph.515-263-3115; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Tom Charette
Solvent cap. 1,700T, 44% and 50% soy meal, refined edible and industrial vegetable oils. Served by rail.

CARGILL INC. (P)
980 Clark St., Sioux City 51102, Ph. 712-258-0174; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Douglas Debelak
Hexane solv. cap. 1,400T, CARGILL soy meal and pellets. Served by rail.

CARGILL INC. (P)
N. 15th Ave. & 3rd St., Washington 52353, Ph. 319-653-2196; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Bill Matson
Hexane solv. cap. 490T, CARGILL soy meal and pellets. Served by rail.

CENTRAL SOYA (P)
Hwy. 69 S, P.O. Box 9, Belmond 50421, Ph. 515-444-3236; Main office: Fort Wayne, IN; TLX: 276170 CENSOYA FWA A.
CONTACT PERSON: Ken Oltman
Solvent cap. 600T, soy meal, CENTROL lecithin, crude degummed soy oil.

FARMLAND INDUSTRIES (P)
P.O. Box 200, Sergeant Bluff 51054, Ph. 712-943-4282; TWX: 910-968-1757; Main office: Kansas City, MO.
CONTACT PERSON: Charles McCauley, Gen. Mgr.
Solvent cap. 2,200T, storage cap. 3,250,000 bu., co-op 44% and 47.5% soy meal, crude and crude degummed oil. Served by truck, rail and barge.

LAND O'LAKES INC. (P)
5 Central Ave., Fort Dodge 50501, Ph. 515-573-8111; Main office: Minneapolis, MN; TLX: 290838.
CONTACT PERSON: George Cox, Plant Mgr.
Hexane solv. cap. 600T, storage cap. 1,200,000 bu. Served by truck and rail.

Soybeans, one of the top cash crops for U.S. farmers, are responsible for creating more and more jobs in industry and a better balance of payments for the nation.

This year, farmers will again raise more than 2 billion bushels of soybeans. One-third or so of that crop will be exported as whole beans. An additional share of this crop will be shipped abroad as processed oil and meal; oil for cooking, meal for use in animal feeds.

And that's worth noting. Because the point is: The more processing we can do here at home, the more "value added" to the soybeans and the more our economy benefits.

For example, each $1 million of whole soybeans exported will generate about 135 jobs for American workers. If that same amount of soybeans is first processed into oil and meal before being exported, their dollar value will rise considerably and another 50 or so workers will be needed to do the job.

But whether we're exporting these "value added" products or whole soybeans, our freedom to trade is the real key to adding more jobs to America's payrolls and more income for America's farmers.

Continental Grain Company, 277 Park Avenue, New York, NY 10172.

Continental Grain

When value is added to soybeans, jobs are added to payrolls.

LAND O'LAKES INC. (P)
Box 220, Sheldon 51201, Ph. 712-324-2531; Main office: Minneapolis, MN; TLX: 290838.
CONTACT PERSON: Oscar Benson, Mktg. Mgr.
Solvent cap. 1,000 T, storage cap. 1,500,000 bu. Served by truck and rail.

RALSTON PURINA CO. (P)
Iowa Falls 50126, Ph. 515-648-2591; Main office: St. Louis, MO; TLX: 44 7620 (RALSTON STL).
CONTACT PERSON: T.L. Williams, Plant Mgr.
Hexane solv., PURINA CHOWS mixed feeds. Served by rail.

A.E. STALEY MFG. CO. (P)
Drawer C,E, 14th St. Sta., Des Moines 50316; Main office: Decatur, IL; TLX: ITT 4330382.
CONTACT PERSON: P.L. Niehaus, Plant Mgr.
STALEY's soy meal 44% and 49% protein, STALEY's soy mill run. Served by truck and rail.

WEST BEND ELEVATOR CO. (P)
West Bend 50597, Ph. 515-887-7211.
CONTACT PERSON: Fred McKim, Gen. Mgr.
3 continuous press cap. 39T, storage cap. 9,500,000 bu. OLD PROCESS soy meal and mixed feeds. Served by rail.

WEST CENTRAL COOP. (P)
Ralston 51459, Ph. 712-667-3200.
CONTACT PERSON: Wayne Seaman, Gen. Mgr.
4 continuous pr., cap. 60T, storage cap. 8,000,000 bu., WESENCO soy meal, mixed feeds and pellets. Served by truck and rail.

KANSAS

ARCHER DANIELS MIDLAND CO. (P)
P.O. Box 191, Fredonia 66736, Ph. 316-378-2102; Main office: Decatur, IL; TLX: 250121.
CONTACT PERSON: Richard Gillies, Plant Mgr.
Hexane solv., ARCHER 44% and 49% soy meal. Served by rail.

BUNGE CORP. (P)
E. 5th Ave., P.O. Box 518, Emporia 66801, Ph. 316-342-7270; Main office: New York, NY; TLX: RCA 233554, ITT 420099.
CONTACT PERSON: Jack Thiessen, Dist. Mgr.
Solvent cap. 2,000T, soy meal, crude and crude degummed oil. Served by truck and rail.

CARGILL INC. (P)
1501 N. Mosley, Wichita 67214, Ph. 316-267-8800; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: George Landsverk
Solvent cap. 1,500T, 44% and 50% soy meal and pellets. Served by rail.

PRODUCERS COOPERATIVE ASSN. (P)
Box 265, Girard 66743, Ph. 316-724-8241.
CONTACT PERSON: C.W. Scammell, Mgr.
2 continuous pr., cap. 50T, storage cap. 1,000,000 bu., PRODUCERS 41% soy meal, PRODUCERS and CO-OP OPEN FORMULA mixed feeds and pellets; crude oil. Served by truck and rail.

KENTUCKY

OWENSBORO GRAIN CO. (P)
Owensboro 42301, Ph. 502-926-2032.
CONTACT PERSON: Roger E. Hicks, Pres.
Solvent cap. 1,200T, storage cap. 3,000,000 bu., Ograco 44% and 49% solv. soy meal, crude oil. Served by truck, rail and barge.

RALSTON PURINA CO. (P)
Soybean Div., Louisville 40217, Ph. 502-637-4761; Main office: St. Louis, MO; TLX: 44 7620 (RALSTON STL).
CONTACT PERSON: S.L. Colthurst, Plant Mgr.
Solvent cap. 1,200T.

LOUISIANA

BUNGE CORP. (P)
Destrehan 70047, Ph. 504-721-6291; Main office: New York, NY; TLX: RCA 233554, ITT 420099.
CONTACT PERSON: Frank Miller, Plant Mgr.
Solvent cap. 1,800T, soy meal, crude and crude degummed oil. Served by truck, rail and barge.

LOU ANA FOODS INC. (R)
P.O. Box 591, Opelousas 70570, Ph. 318-948-6561; TLX: 58-6645 (LAF OPLS); Plant at: 731 N. Railroad Ave.
CONTACT PERSON: Bobby Harris, Ind. Sales Mgr.
Refining, bleaching, deodorizing and winterizing, bulk, institutional and retail sizes; LOU ANA, PERFECTO and MERMAID cooking/salad oil. Served by truck and rail.

MARYLAND

PERDUE INC. (P)
P.O. Box 1537, Salisbury 21801, Ph. 301-543-3000.
CONTACT PERSON: Sewell L. Spedden, Sr. VP
Solvent cap. 700T, storage cap. 5,000,000 bu., soy meal, crude oil. Served by truck, rail and barge.

MINNESOTA

ARCHER DANIELS MIDLAND CO. (P)
P.O. Box 728, Mankato 56001, Ph. 507-625-7947; Main office: Decatur, IL; TLX: 250121.

CONTACT PERSON: Leigh Paulsen, Plant Mgr.
Hexane solv., ARCHER 44% and 48% soy meal. Served by rail.

ARCHER DANIELS MIDLAND CO. (P)
118 Main St., Red Wing, 55066, Ph. 612-388-7111; Main office: Decatur, IL; TLX: 250121.
CONTACT PERSON: Richard Germchied
Solvent, ARCHER 44% soy meal. Served by rail.

CARGILL INC. (P SF IP)
P.O. Box 9300, Minneapolis 55440; TLX: 29-0794; Plants at: Osceola, AR; Gainesville, GA; Chicago, IL; Cedar Rapids, Des Moines, Redfield, Sioux City and Washington, IA; Wichita, KS; Savage, MN; Fayetteville, NC; Sidney, OH; Hartsville, SC; Memphis, TN, and Norfolk, VA.
CONTACT PERSON: D.H. Leavenworth

CARGILL INC. (P)
Savage 55378, Ph. 612-894-3190; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Barbara Marturano
Hexane solv. cap. 1,000T, CARGILL soy meal. Served by rail.

HONEYMEAD PRODUCTS CO. (P R SF IP)
P.O. Box 3247, Mankato 56002, Ph.507-625-7911.
CONTACT PERSON: L.K. Rasmussen, Gen. Mgr.
Hexane solv. cap. 2,400T, storage cap. 3,000,000 bu., Honeymead soy meal, refining, deodorizing and hydrogenating. Served by rail.

LAND O'LAKES SOYBEAN DIVISION (P SF)
Dawson 56232, Ph. 612-769-4386; TLX: 290838.
CONTACT PERSON: Wendell Gubruad, Meal & Oil Sales Mgr.
Hexane solv., cap. 1,500T, storage cap. 3,000,000 bu., DAWSON soy meal, crude oil, soy flour mixes. Served by truck and rail.

SPENCER KELLOGG DiV. TEXTRON INC. (R)
Minneapolis 55414; Main office: Buffalo, NY, Ph. 716-852-5850.
CONTACT PERSON: Richard E. Punnett, Mgr. Commodity Prod.
Once refined and fully refined oil. Served by truck and rail.

MISSISSIPPI

BUNGE CORP. (P)
P.O. Box 1410, Jackson 39205, Ph. 601-948-5880; Main office: New York, NY; TLX: RCA 233554, ITT 420099.
CONTACT PERSON: Jim Brady, District Mgr.
Solvent cap. 300T, soy meal, crude oil. Served by truck and rail.

BUNGE CORP. (P)
520 Cherry St., Marks 38646, Ph. 601-326-2411; Main office: New York, NY; TLX: RCA 233554, ITT 420099.
CONTACT PERSON: Dick Farmer, District Mgr.
Solvent cap. 1,800T, soy meal, crude and crude degummed oil. Served by truck and rail.

BUNGE CORP. (P)
P.O. Box 1378, Vicksburg 39180, Ph. 601-638-3824.
CONTACT PERSON: Brant Harper, Dist. Mgr.
Solvent cap. 1,300T, soy meal, crude and crude degummed oil. Served by truck, rail and barge.

SOUTHERN COTTON OIL CO. (P)
Div. of ADM, Cottonseed and Soybean Plant, Fourth Street Extended, Clarksdale 38614, Ph. 601-624-2571.
CONTACT PERSON: John Rice

YAZOO VALLEY-MINTER CITY OIL MILL INC. (P)
P.O. Box 1320, Greenwood 38930, Ph. 601-453-4312.
CONTACT PERSON: T.S. Shuler, Gen. Mgr.
Plant solv. cap. 600T, 44% soy meal. Served by rail.

MISSOURI

ARCHER DANIELS MIDLAND CO. (P)
200 W. 19th Ave., N. Kansas City 64116, Ph. 816-221-2117; Main office: Decatur, IL; TLX: 250121.
CONTACT PERSON: Terry Gunter
Solvent ext., ARCHER 44% and 47% soy meal. Served by rail.

FARMLAND INDUSTRIES (P R SF)
P.O. Box 427, St. Joseph 64502, Ph. 816-233-6161; TWX: 910-777-7189; Main office: 3315 N. Oak Trafficway, Kansas City 64116.
CONTACT PERSON: Ed Stigall, Mgr. Soybean Meal & Oil Sales
Hexane solv. cap 1,500T, Co-op 44% and 47½% soy meal, soy flour and grits, degumming. Served by rail.

M.F.A. GRAIN MARKETING DIV. (P)
Div. Missouri Farmers Assn. Inc., Mexico 65265, Ph. 314-581-4195; TWX: 910-760-1527.
CONTACT PERSON: John A. Botkin, Gen. Mgr.
Solvent cap. 1,500T, storage cap. 3,100,000 bu., MFA 44% and 49% soy meal, soy mill run and soy lecithin, degumming, crude oil, crude degummed oil. Served by truck, rail and barge.

PVO INTERNATIONAL INC. (R SF)
3400 North Wharf St., P.O. Box 5420, St. Louis 63147, Ph. 314-622-0200.
CONTACT PERSON: W. Michael Smith, VP & Gen. Mgr.
Refining and deodorizing.

RALSTON PURINA CO. (P)
2334 Rochester Ave., Kansas City 64120, Ph. 816-483-9888; Main office: St. Louis, MO; TLX: 44 7620 (RALSTON STL).
CONTACT PERSON: R.K. Zimmerman, Plant Mgr.
Cap. 1,500T, PURINA CHOWS mixed feeds.

RALSTON PURINA CO. (P SF IP)
Checkerboard Square, St. Louis 63188; TLX: 44 7620 (RALSTON STL). Plants at: Lafayette, IN; Bloomington, IL; Iowa Falls, IA; Kansas City, MO; Memphis, TN; Louisville, KY, and Raleigh, NC.
CONTACT PERSON: G.L. Hoover, Oil Sales Mgr., or W.W. Sims, Meal Sales Mgr.
PURINA CHOWS mixed feeds.

NEBRASKA

ARCHER DANIELS MIDLAND CO. (P)
130 N. Broad, Fremont 68025, Ph. 402-721-5670; Main office: Decatur, IL; TLX: 250121.
CONTACT PERSON: Larry Letterman, Mgr.
Hexane solv., ARCHER 44%. Served by rail.

ARCHER DANIELS MIDLAND CO. (P R)
P.O. Box 29268, Havelock Sta., Lincoln 68529, Ph. 402-464-9131; Main office: Decatur, IL; TLX: 250121.
CONTACT PERSON: Jim Yeates, Plant Mgr.
Hexane solv., ARCHER 44% and 47% soy meal, refining, hardening, degumming and deodorizing.

GRAIN STATES SOYA INC. (P)
P.O. Box 157, West Point 68788, Ph. 402-372-2429.
CONTACT PERSON: Mark Knobbe, Mgr.
4 French screwpress pr. cap. 85T, storage cap. 235,000 bu., 41% old process soy meal, custom mixed feeds, crude oil and pellets. Served by truck and rail.

NEW JERSEY

BEST FOODS DIV.
CPC INTERNATIONAL INC. (R)
Bayonne 07002; Main office: Englewood Cliffs, NJ; TLX: 135440.
CONTACT PERSON: C.A. Craven, Mgr. Ref. Oil Sales
Fully refined and hydrogenated oil.

BEST FOODS DIV.
CPC INTERNATIONAL INC. (R SF)
International Plaza, Englewood Cliffs 07632, Ph. 201-894-4000; TLX: 135440. Plants at: Bayonne, NJ; Chicago, IL; San Francisco and Sante Fe Springs, CA.
CONTACT PERSON: C.A. Craven, Mgr. Ref. Oil Sales
Fully refined and hydrogenated oil.

HUNT-WESSON FOODS INC. (R SF)
160 E. 22nd St., Bayonne 07002.
Refining and deodorizing.

NEW YORK

BUNGE CORP.
One Chase Manhattan Plaza, New York, NY, 1005, Ph. 212-943-6600; TLX: RCA 233554, ITT 420099.

LEVER BROTHERS CO. (R SF)
390 Park Ave., New York 10022; Plant at: Los Angeles, CA.
CONTACT PERSON: David W. Melendy, Mgr.
Refining and deodorizing. Served by truck and rail.

SPENCER KELLOG DIV.
TEXTRON INC. (R IP)
Buffalo 14240, Ph. 716-852-5850; Plant at: Minneapolis, MN.
CONTACT PERSON: Richard E. Punnett, Mgr. Commodity Prod.
Once refined and fully refined oil. Served by truck and rail.

NORTH CAROLINA

CARGILL INC. (P R)
P.O. Box 2309, Fayetteville 28302, Ph. 919-483-4631; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Bill Lowe
Solvent cap. 1,500T, 44% and 50% soy meal, refined, edible, industrial, and crude soy oil. Served by rail.

GURLEY'S INC. (P)
404 E. Preston St., P.O. Box 388, Selma 27576, Ph. 919-965-2302; 800-672-8131; 800-334-9631.
CONTACT PERSON: Herman Kurrelmeier, Pres.
Crown and Anderson ext., solvent cap. 300T, storage cap. 950,000 bu., GURLEY'S 44% soy meal, 47% HY PROTENE soy meal. Served by rail.

PERDUE, INC. (P)
Cofield 27922, Ph. 919-358-0311.
CONTACT PERSON: Sewell Spedden, Sr. VP
Solvent cap. 600T, storage cap. 1,250,000 bu., soy meal and crude oil. Served by truck and rail.

PLANTERS OIL MILL INC. (P)
P.O. Drawer 2507, Rocky Mount 27801, Ph. 919-442-0193.
CONTACT PERSON: Steve Wilkins, Gen. Supt.
Solvent cap. 300T, storage cap. 650,000 bu., Planters soy meal and crude oil. Served by truck and rail.

RALSTON PURINA CO. (P)
Raleigh 27601, Ph. 919-828-4491; Main office: St. Louis, MO; TLX: 44 7620 (RALSTON STL).
CONTACT PERSON: D.T. Fink, Plant Mgr.
Solvent cap. 1,500T.

OHIO

CARGILL INC. (P)
2400 Industrial Blvd., Sidney 45365, Ph. 513-498-4551; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Martin Dudley
Hexane solv. cap. 1,500T, CARGILL soy meal. Served by rail.

CENTRAL SOYA (P R)
P.O. Box 369, 605 Goodrich Rd., Bellevue 44811, Ph. 419-483-5340; Main office: Fort Wayne, IN; TLX: 276170 CENSOYA FWA A.
CONTACT PERSON: Jim Willits
Solvent cap. 1,140T, soy meal, CENTROL and CENTROLEX lecithins, crude degummed soy oil and refined industrial soy oils.

CENTRAL SOYA (P R)
234 So. Jefferson St., P.O. Box 231, Delphos 45833, Ph. 419-692-6010; Main office: Ft. Wayne, IN; TLX: 27170 CENSOYA FWA A.
CONTACT PERSON: Charles Janiszewski, Mgr.
Solvent cap. 1,000T.

CENTRAL SOYA (P R)
751 E. Farming St., Marion 43302, Ph. 614-383-1181; Main office: Ft. Wayne, IN: TLX: 27170 CENSOYA FWA A.
CONTACT PERSON: Robert H. Prescott
Solvent cap. 600T.

DURKEE FOODS DIV., SCM CORP. (R SF)
900 Union Commerce Bldg., Cleveland 44115, Ph. 216-344-8000. Operations conducted through Durkee Famous Foods Industrial Foods Group; Plants at: Joliet, IL.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oil; cooking/salad oil. Served by truck, rail and barge.

INDUSTRIAL PRODUCTS GROUP, STOKELY VAN CAMP INC. (R SF IP)
525 W. 1st Ave., P.O. Box 569, Columbus 43216, Ph. 614-299-3131; TLX: 245-494.
CONTACT PERSON: C.V. Gridley, VP
Once refined and fully refined oil, hydrogenated and fractionated oil. Served by truck and rail.

PROCTER & GAMBLE CO. (R SF IP)
P.O. Box 599, Cincinnati 45201; Refinery at: 5201 Spring Grove Ave., Ivorydale, Cincinnati 45217.

A.E. STALEY MFG. CO. (P)
Fostoria 44830; Main office: Decatur, IL; TLX: ITT 4330382.
CONTACT PERSON: J.D. Crawford, Plant Mgr.
Solvent cap. 675T, STALEY'S soy meal 44% and 49% protein; STALEY'S soybean mill run. Served by truck and rail.

OKLAHOMA

COLE GRAIN CO. (P)
919 S. Cherokee, P.O. Box 1289, Muskogee 74401, Ph. 918-687-7565.
CONTACT PERSON: J.D. Cole, Pres., or Don Cole, VP
2 continuous pr. cap. 70T, storage cap. 400,000 bu. COLE FEEDS soy meal, mixed feeds, alfalfa pellets and crude oil. Approx. soybean operations 10,000 to 12,000T. Served by rail.

PRODUCERS COOPERATIVE OIL MILL (P)
P.O. Box 26907, Oklahoma City 73126, Ph. 405-232-7555.
CONTACT PERSON: T.W. Detamore, Gen. Mgr.
Crown solv., cap. 500T, storage cap. 800,000 bu. Pellets. Served by rail.

WILSON FOODS CORPORATION (R)
Lincoln Plaza, 4545 N. Lincoln, Oklahoma City 73105, Ph. 405-525-4545; TLX: 747-249.

PENNSYLVANIA

C.F. SIMONIN'S SONS INC. (R SF)
Tioga & Belgrade St., Philadelphia 19134, Ph. 215-426-2300.
CONTACT PERSON: W.J. Lewis, Exec. VP
Refining and deodorizing. Served by truck, rail and ship.

SOUTH CAROLINA

ARCHER DANIELS MIDLAND CO. (P)
427 N. Hampton, Kershaw 29067, Ph. 803-475-3751; Main office: Decatur, IL; TLX: 250121.
CONTACT PERSON: Roger Cauthens, Plant Mgr.
Hexane solv., ARCHER 44% and 48% soy meal. Served by rail.

CARGILL INC. (P R)
P.O. Box 878, Hartsville 29550, Ph. 803-332-1571; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Harry Bryant

CONTINENTAL GRAIN CO. (P)
Cameron 29030, Ph. 803-823-2211; Main office: New York, NY.
CONTACT PERSON: William H. Yochum, Jr.
Solvent cap. 700T.

SOUTHERN SOYA CORP. (P)
P.O. Box 727, Estill 29918, Ph. 803-625-2711.
CONTACT PERSON: J.W. Tyler or R.P. Padgett, Mgrs.
French solv., cap. 350T, storage cap. 2,500,000 bu., 44% and 49% soy meal and crude oil. Soybean operations 3,500,000 bu. Served by truck and rail.

TENNESSEE

BUNGE EDIBLE OIL CO. (R)
P.O. Box 2309, Chattanooga 37409, Ph. 615-821-3511; Main office: Kankakee (Bradley), IL; TLX: 41800.
CONTACT PERSON: Lennis Martin
Refining, hydrogenating and deodorizing.

CARGILL INC. (P)
P.O. Box 1838, Memphis 38101, Ph. 901-775-3700; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: Robert W. Drake
Hexane solv., cap. 3,000T, CARGILL soy meal. Served by rail.

CENTRAL SOYA (P R)
Judd Rd., P.O. Box 5067, Chattanooga 37406, Ph. 615-629-7341; Main office: Fort Wayne, IN; TLX: 276170 CENSOYA FWA A.
CONTACT PERSON: Larry Horn
Solvent cap. 2,400T, soy meal, CENTROL lecithin, crude soy oil, refined industrial and edible vegetable oils.

HUMKO PRODUCTS, KRAFT INC. (R)
Whitestation Towers, P.O. Box 398, Memphis 38101, Ph. 901-766-2100.
CONTACT PERSON: Gene Davis
Refining and deodorizing of cottonseed, soy, peanut and other vegetable oils.

HUNT-WESSON FOODS INC. (R SF)
P.O. Box 1759, Memphis 38102.
Refining and deodorizing.

NASHVILLE OIL MILL CORP. (P)
410 Chestnut St., Nashville 37202.
CONTACT PERSON: Douglas Rainwater, VP
Blaw-Knox solv., cap. 200T, storage cap. 525,000 bu. Served by rail.

RALSTON PURINA CO. (P)
Soybean Div., Memphis 38112, Ph. 901-327-8447; Main office: St. Louis, MO; TLX: 44 7620 (RALSTON STL).
CONTACT PERSON: W.F. Kuckuck, Plant Mgr.
Solvent cap. 900T.

SOUTHERN COTTON OIL CO. (P)
Div. of Archer Daniels Midland Co., Cottonseed and Soybean Plant, 2782 Chelsea Ave., Memphis 38108, Ph. 901-452-3151.
CONTACT PERSON: C.M. McCalla

TEXAS

ANDERSON, CLAYTON & CO. (R)
Oilseed Processing Div., P.O. Box 521, Abilene 79604, Ph. 915-672-3271.
CONTACT PERSON: R.J. Carwile, Mgr.

ANDERSON CLAYTON FOODS (R SF)
P.O. Box 226165, Dallas 75266, Ph. 214-387-1224; TLX: 732242.
CONTACT PERSON: D.W. Vrbas, Commodity Mgr.

ANDERSON CLAYTON FOODS (R)
1201 E. Pecan St., Sherman 75090, Ph. 214-892-2111.
CONTACT PERSON: N.J. Field, Mgr.

BROOKSIDE DIV., SAFEWAY STORES INC. (R SF)
Drawer C, 1405 W. Washington, Denison 75020; Main office: Oakland, CA, Ph. 415-944-4527.
CONTACT PERSON: Frank Bienati
Refine and deodorize soy and cottonseed oils.

BUNGE EDIBLE OIL CO. (R)
400 E. Exchange, P.O. Box 265, Fort Worth 76101, Ph. 817-625-2331; Main office: Kankakee (Bradley), IL; TLX: 41800.
CONTACT PERSON: Ken Hamilton
Refining, hydrogenating and deodorizing.

NE-TEX COOPERATIVE OIL MILL (P)
P.O. Box 139, Wolfe City 75496, Ph. 214-496-2281.
CONTACT PERSON: B.W. Heath, Mgr.
Solvent cap. 250T, storage cap. 650,000 bu., NE-TEX soy meal and crude oil. Approx. soybean operations 15,000T. Served by truck and rail.

PROCTER & GAMBLE MFG. CO. (R)
P.O. Box 225118, Dallas 75265.

SHERMAN OIL MILL (P)
Affiliate of Chickasha Cotton Oil Co., Sherman 75090, Ph. 214-892-9171; Other location: Fort Worth, Ph. 817-732-8595.
CONTACT PERSON: Jack Hicks, Plant Mgr.
7 continuous pr., solv., cap. 240T (cottonseed) and 200T (soybeans). Served by rail.

VIRGINIA

CARGILL INC. (P)
P.O. Box 7506, Chesapeake 23324, Ph. 804-545-8461; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT PERSON: John March
Hexane solv. cap. 1,500T, CARGILL soy meal. Served by rail.

non-u.s. oil extraction plants/refineries

*Updated listing of non-U.S. firm

ARGENTINA

MOLINOS RIO DE LA PLATA S.A.(P R SF IP)
Division Oleaginosos, Paseo Colon 746, Buenos Aires, 1323; TLX: 22270 (MRPSA AR); Other locations: Avellaneda, Provincia de Buenos Aires; Barranqueras, Chaco.
CONTACT PERSON: Dr. Nolly Sirkis, Div. Mgr.
Solvent cap. 1,800T, storage cap. 60,000MT, pellets, crude, fully refined, hydrogenated and fractionated oils; DELICIA and MANTY margarines; COCINERO, LIRA, RIO UVA, RIO MAIZ, IDEAL, TORERO cooking/ salad oils. Served by truck, rail and barge.*

PIPOIL S.A. (P)
Santo Pipo, MISIONES 3326, Ph. 17.*

AUSTRALIA

BARTON ADDISON & SONS PTY. LTD. (P SF)
18 Gray St., P.O. Box 51, Kogarah N.S.W., Ph. 587-0457.
CONTACT PERSON: P. Dickinson, Gen. Mgr.
3 exp., cap. 10T, Addison soy meal and soy flour. Served by rail.

MEGGITT LIMITED (P R SF IP)
P.O. Box 199, Parramatta 2150 NSW, Ph. 638-4466; TLX: AA 70 851 (MEGCAM); Plants at: Brisbane, QLD; Melbourne, Vic.; Sydney, NSW.
CONTACT PERSON: A.D. Rector, Chief Exec.
3 solvent extraction plants, cap. 300MT/day, storage cap. 15,000MT, approx. soybean operations 80,000 MT, soy meal, crude, crude degummed, once refined soy oil. Served by truck and rail.*

NORTHWEST VEGETABLE OILS PTY. LTD. (P R)
Subsidiary of Cargill Inc., Minneapolis, MN; Baranbar St., Narrabri West N.S.W. 2390, Ph. 067-92-2711; TLX: 66564.
CONTACT PERSON: D. Bacon-Hall
Prepress combined with Crown solvent extraction, 500MT/day, storage cap. 46,000MT, high protein soy meal, crude degummed and alkali refined soy oil, approx. soybean operations 65,000MT, 40% per annum, processes soybeans, cottonseeds, sunflowers and safflowers.*

SOUTHERN PACKERS (AUST.) PTY. LTD. (R SF)
250 Ingles St., Port Melbourne 3207, Ph. 6451400; TLX: AA337-30.*

SOY PRODUCTS OF AUSTRALIA PTY. LTD. (P SF)
69 Power Rd., Bayswater, P.O. Box 66, 3153 Victoria, Ph. (03) 729-1738.
CONTACT PERSON: P.N. Maddock, Plant Mgr.
Storage cap. 200,000 bu., SOYVITA full-fat soy flour, approx. soybean operations 50%. Served by truck and rail.*

AUSTRIA

KUNER (R SF)
Div. Osterreichische Unilever GmbH, Rosengasse 4, A 1011 Wien, Ph. 0222-6619; TLX: 11-4080.
Margarine, edible fats and foods.*

VEREINIGTE FETTWARENINDUSTRIE GmbH & CO. KG. (R)
Vogelweiderstr 71-73, A-4600 Wels, Ph. 05222-36771-16; TLX: 25528; Plants at: Innsbruck, Vienna and Wels.
CONTACT PERSON: Christian Rauch, Diplomingenieur
Crude, fully refined and fractionated oils, confectioning of vegetable oils and hardened fats. Served by truck and rail.*

BELGIUM

N.V. CARGILL (P)
Affiliate of Cargill, Inc., Minneapolis, MN
Muisbroeklaan, Kaai 506, Antwerp, Ph. 425080; TLX: 33761.
CONTACT PERSON: Willem v/d Hoeven, Mgr.
Solvent cap. 1,500T, storage cap. 30,000T, Cargill soybean meal. Served by rail.*

N.V. VAMO MILLS (P IP)
Prins Albertlaan 12, 8700 Izegem, Ph. 051-30-22-22; TLX: 81622. Plants at: Gent, Izegem and Merksem.
CONTACT PERSON: Fred Deroost, Gen. Mgr.
Hexane solvent cap. 5,100T, storage cap. 2,700,000 bu., soy meal, pellets and crude degummed oil. Served by rail.*

SCALDISWERKEN RUIEN N.V. (P R IP)
6 Avelgemstraat, B9690 Kluisbergen-Ruien, Ph. 055-388412.
CONTACT PERSON: Albert Windels, Ing.
12 exp. storage cap. 50,000 bu., cap. 20T, SCALDIS mixed feeds, crude, once refined and fully refined oils. Served by rail and barge.*

UNION N.V. (R SF)
De Keyserlei 5 - Bus 1, Antwerp, B-2000, Ph. (3) 22 31 70; TLX: 3 34895.
CONTACT PERSON: L.J.P. Janssens, Mgr.
Crude, crude degummed, once refined and fully refined oils; SOLO, PLANTA, BECEL, NATURA and ORO margarines; IMPERIAL cooking/salad oil. Served by truck, rail, barge and ship.*

VANDEMOORTELE N.V. (R SF IP)
Prins Albertlaan 12, Izegem 8700, Ph. 051/30.22.22 & 051/30.38.38; TLX: 81 622 (VAMO B).
CONTACT PERSON: J. Rabauter or J. Claerhout, Prod. Dir.
Fully refined and hydrogenated oils, margarine, shortening and cooking/salad oil. Served by truck, rail and barge.*

BOLIVIA

CIA OLEAGINOSA LTDA. (P R)
KM 8½ a Quillacollo, Casilla 382, Cochabamba, Ph. 40239.
CONTACT PERSON: Jose H. Guzman
3 exp./screw press cap. 18T, batch solvent cap. 15T, refinery 10T, soybean and cottonseed storage cap. 3,000T, approx. soybean operations 1,500MT/year and cottonseed operations 1,500MT/year. Served by rail.

FABRICA DE ACEITE VILLAMONTES RAFAEL DEHEZA (P R SF)
Villamontes Tarija, Affiliate of Corporacion Boliviana de Fomento, P.O. Box 1124, La Paz., Ph. 324957-350917; TLX: 2566.
CONTACT PERSON: Ing. Jorge Jung Peters
Solvent cap. 15,000MT/year, storage cap. 26,000MT, soy meal, fully refined oil, EL REY soy oil, Soy flour CBF, approx. soybean operations 6,000MT/year. Served by truck and rail.

INDUSTRIAS DE ACEITE S.A. (P R SF)
P.O. Box 1759, Santa Cruz; Office at: Ballivian 262, Ph. 47008-47700.
CONTACT PERSON: Ing. Felipe Campbell, Gen. Mgr.
Solvent cap. 400T, storage cap. 44,000T, soy flour, soy meal, pellets, crude degummed, fully refined and hydrogenated oils, KARINA shortening, FINO cooking/salad oil, approx. soybean operations 15,000MT/year. Served by truck and rail.*

BRAZIL

BIANCHINI S/A IND. COM. E AGRICULTURA (P)
Rua dos Andradas No. 1121 - 10th Flr., Porto Alegre, R.S. 90.000, Ph. (0512)21.877/; TLX: (051)1848 or 1849; Other locations: Rio Grande, R.S.; Canoas, R.S.
CONTACT PERSON: Arlindo Bianchini, Dir.
Solvent cap. 1,500MT/day, storage cap. 260,000MT, soy meal, crude degummed oil. Served by truck, rail, barge and ship.*

BRASWEY S.A. INDUSTRIA E COMERCIO. (P R)
Rua Enxovia, 423 Sto. Amaro, 04711 Sao Paulo, Ph. 548-5500; TLX: 011-22427; CABLE: BRASWEYCO.
CONTACT PERSON: Liu Shun Ku, Exec.Dir.
Solvent cap. 3,500T, refinery cap. 200T, storage cap. 200,000MT, soy meal, pellets, crude degummed, fully refined and hydrogenated oil.*

CARGILL AGRICOLA S.A. (P R)
Rua Olavo Bilac 157, Sao Paulo, 04671, Ph. (011)548.8122; TLX: 011 21268; Other plants: Ponta Grossa, Parana; Mairingue, Sao Paulo; Monte Alto, Sao Paulo.
CONTACT PERSON: Jose Roberto G. Ferreira, Adm. Dir., or Sergio Alair Barroso, Comm. Mgr.
Soy meal, pellets, crude, crude degummed, once refined and fully refined oils. Served by truck, rail and ship.

CIA. BRASILEIRA DE OLEOS E DERIVADOS (COBRASOL) (P)
Alameda Santos, 1357-5°, Sao Paulo, S.P., 01419, Ph. 011-283-4222; TLX: 1131140 (CBOD-BR); Other locations: San Luis Gonzaga, R.S.; Porto Alegre, R.S.; Santo Angelo, R.S.
CONTACT PERSON: Edmond Sidi, Comm. Mgr.
Solvent cap. 1,000T/day, storage cap. 75,000MT, soy meal and crude degummed oil. Served by truck and rail.*

COINBRA (P R)
Praca Antonio Prado 33, 8° Andar, Caixa Postal 7178, 0100 Sao Paulo, Ph. 34.9125/29; TLX: 011.21126.
CONTACT PERSON: Jacques Trefois, Mgr.
Solvent cap. 1,500T, storage cap. 85,000MT, soy meal, crude degummed and fully refined oil. Served by truck, rail and barge.*

COMPANHIA MOGIANA DE OLEOS VEGETAIS (P R SF IP)
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. 016-726-3666 (PABX-15 troncos); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Asst. Dir.
1 exp. cap. 330T, 2 solvent cap. 1,200T, storage cap. 197,000MT, pellets, crude, crude degummed, fully refined and hydrogenated oils. Served by truck, ship and rail.

CONTINENTAL DE OLEOS VEGETAIS "CONT-OLEOS" LTDA. (P)
Estrada dos Bandeirantes, 1375-Zona 42, Maringa, Parana, 87100, Ph. (0442)24-4111; TLX: 0442-171.

CONTACT PERSON: Jose Mario R.G. Motta, Mgr. Dir.
Solvent cap. 2,000T/day, storage cap. 170,000MT.*

FAROL S.A.-
IND. GAUCHA DE FARELOS E OLEOS (P R SF IP)
Avenida Borges de Medeiros 659 - 12th Flr., Porto Alegre, RGS, 90000, Ph. 512-33-79-88; TLX: 51-1732 (STEF BR); Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Solvent cap. 2,700T/day, continuous press cap. 250T/day, storage cap. 130,000MT, soy meal, crude and fully refined oils. Served by truck, rail and barge.*

FECOTRIGO (P)
Rua. Gen. Andrade Neves 106, Cx. Postal 2679, 90,000 Port Alegre, R.S., Ph. 25-4022; TLX: 051-1331.
CONTACT PERSON: Jarbas Pires Machado, Pres.
Soybean crushing, 3,000T/day.

FUJIWARA HISATO S.A. (P R IP)
Comercio e Industria, Rua Libero Badaro, 293, 27th Floor, Sao Paulo SP-BR, Ph. 229-1722; TLX: 11-23226 (FUHI-BR); Plants at: Rod. Melo Peixoto, KM. 159 Trecho Londrina, Cambe-PR, Ph. 54-3638.
CONTACT PERSON: Nelson Crepaldi, Dir.
3 solvent cap. 800MT, storage cap. 30,000MT, soy meal, pellets, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.

GRANOL IND.
COM. EXP. S/A. (P R SF IP)
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733; TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Jose Gomes Cadette, Dir. Pres.
Solvent cap. 2,000T, continuous press cap. 700T/day, storage cap. 1,200,000 bu., soy meal, pellets, crude, crude degummed, once refined and fully refined oils; MONTEREAL, TUPA and CORONA cooking/salad oils. Served by truck, rail and ship.

GRANOLEO S.A.-
COM. IND. SEMENTES OLEAGINOSAS E DERIVADOS (P)
Av. Cavalhada No. 4.050, Porto Alegre, R.S., Ph. (0512)-49-7368; 49-7734; 49-3757; 48-1122; TLX: (051) 1702; Other plant: Estrada de Moinhos, Estrela, R.S.
CONTACT PERSON: Wu Cheng-Tao, Tech. Dir.
Solvent cap. 1,500T/day, storage cap. 90,000T, soy meal, crude oil. Served by truck, rail and ship.*

INDUSTRIA DE OLEOS
PACAEMBU S/A. (P R IP)
Rua Silva Teles, 1465 - Pari, Sao Paulo, CEP 03026, Ph. 011-291-8844; TLX: 011-22374 IOLP; Other plants: Cascavel, Parana; Paranavai, Parana; Paranagua, Parana; Fatima Do Sul, Mato Grosso Do Sul.
CONTACT PERSON: Kanje Adachi, Mgr.
Solvent cap. 750T/day, continuous press cap. 750T/day, storage cap. 100,000MT, soy meal, pellets, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.

INDUSTRIAL E COMERCIAL BRASILEIRA S/A. (P R)
Praca Senador Florencio, No. 12-10th Flr., Porto Alegre, Ph. (0512) 25 49 86; TLX: 051 1777.
CONTACT PERSON: Arthur Warth, Dir.
Solvent cap. 2,400T/day, storage cap. 120,000MT, soy meal, crude degummed oil. Served by truck, rail, barge and ship.*

INDUSTRIAS GESSY LEVER LTDA. (R IP)
P.O. Box 2745, Sao Paulo, SP 01000, Ph. 0192-71.1777; TLX: (019) 1461 (VALINHOS, SP).
CONTACT PERSON: Samuel Aguirre Diaz, Tech. Dir.
Fully refined and hydrogenated oil; DORIANA, BECEL, ASTRA, ADORELLA, GRADINAS, DULAR margarine. Served by truck.*

INDUSTRIAS
J.B. DUARTE S/A (P R SF IP)
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. 011-274.8211; TLX: 01121226 (IJBDBR); Other location: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Luiz Lian de Abreu Duarte, Gen. Dir.
Continuous press cap. 600T-1,000T/day, storage cap. 37,000MT, soybean meal, pellets, crude, crude degummed, once refined, fully refined and hydrogenated oils; COLMEIA, JB, MAISA shortenings; VIDA, CERES, MARIA, GILDA cooking/salad oil. Served by truck and rail.*

KASPER & CIA. LTDA. (P R)
Rua dos Andradas, Nr. 965-9th Flr., Porto Alegre, Rio G. Do Sul, 90000, Ph. (0512) 33-1588 or 33-4212; TLX: (051) 1569 (KASP BR); Other plant: Pelotas, Rio Grande Do Sul; Elevators in Rio Grande Do Sul: Palmeira Das Missoes, Rio Grande, Tupancireta, Sao Gabriel, Santo Augusto, Santa Barbara.
CONTACT PERSON: Teldo Kasper Filho, Dir.
Solvent cap. 2,000MT/day, storage cap. 50,000MT, soy meal, crude, crude degummed and fully refined oils; BIBIANA cooking/salad oil. Served by truck and rail.

KLEMM, GABE & CIA. LTDA. (P R IP)
Avenida Paul Harris, 420, Santa Cruz Do Sul, RS, 168, Ph. (051) 711-3956 or 711-3923; TLX: 51 2258.
CONTACT PERSON: Armando Gabe, Gen. Mgr.
Solvent cap. 400MT/day, storage cap. 18,000MT, soy meal, crude, once refined and fully refined oils. Served by truck.

MERLIN S.A. IND. E. COM. DE OLEOS VEGETAIS. (P)
Av. Dique, s/n, Cx. Postal 2772 e 10,001, Porto Alegre, RGS, 90,000; TLX: 051-1053 (MERL).

CONTACT PERSON: A.P.B. Merlin, Pres.
Solvent cap. 1,250MT, storage cap. 68,000MT, soy meal, crude degummed and fully refined oil. Served by truck, rail, barge and ship.*

MINASA (P R)
Caixa Postal 1101, Campinas, S.P. 13.100, Ph. (0192) 42-1966; TLX: 019-1043 (MINABR); Other locations: Araraquara, S.P.; Arapongas, P.R.; Itumbiara, G.O.
CONTACT PERSON: John B. Sieh, Gen. Mgr.*
Soy meal, pellets, mixed feed, crude, crude degummed, once refined and fully refined oil, cooking/salad oil. Served by truck and rail.*

S.A. MOINHOS RIO GRANDENSES (SAMRIG) (P R SF)
Rua De Conceicao, 195, Porto Alegre, RS, Ph. 24-1033; TLX: 028778 (SAMRIG PAE).
Solvent cap. 600,000T, storage cap. 140,000T, PROTOSAM toasted soybean meal, PROTEIMAX isolated soy protein, PRIMOR edible oil and margarine, LECSAM lecithin, GLISAM glycerin and soapstock and balanced feedings. Served by rail.*

OLVEBRA S/A INDUSTRIA E COMERCIO DE OLEOS VEGETAIS (P R SF)
Praca Osvaldo Cruz, 15-16° andar, Porto Alegre, RS, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT PERSON: Hans Hajo Grun, Comm. Dir.
Cap. 5,000T, refinery 600T, storage cap. 280,000T, soy meal LOWPRO and HIPRO in bulk and bag, pellets, crude degummed, once refined and fully refined oil, bulk or drum. Served by truck, rail, barge and ship.*

PERDIGAO ALIMENTOS S/A (P R IP)
Rua Do Comercio 39, Videira. SC 89560, Ph. 0495 33.0155; TLX: 492259 (PERD BR).
CONTACT PERSON: Julio C.M. Brandalise, Sales Mgr.
Soy meal, pellets, mixed feed, crude, crude degummed, once refined and fully refined oil, cooking/salad oil. Served by truck, rail, barge and ship.*

REFINADORA DE OLEOS BRASIL S/A (P R SF IP)
Av. Paulista, 2073—Conj. Horsa II, 2nd Flr., Sao Paulo, S.P., 01311, Ph. (011) 287-3122; TLX: (011) 32042 (NEVA BR) and (011) 23827 (ROBR BR); Other locations: Sao Caetano do Sul, S.P.; Araucaria, P.R.
CONTACT PERSON: C.A. Walter or Jacques Rochat
Solvent cap. 1,200MT/day, storage cap. 3,300,000 bu., soy meal, pellets, crude, crude degummed, fully refined and hydrogenated oils; MESA shortening, TRIVIAL cooking/salad oil. Served by truck and rail.

RESEGUE INDUSTRIA E COMERCIO S.A. (P R IP)
Rua Maria Paula, 88, Sao Paulo, 01319.
Solvent cap. 1,400T, storage cap. 25,000T, soy meal, pellets, crude, crude degummed, fully refined and hydrogenated oil; OLEO MINDOL/SOLANGE cooking/salad oil. Served by truck, rail and ship.*

CANADA

CSP FOODS LTD. (P)
P.O. Box 750, Altona, Man. R0G 0B0, Ph. 324-6481; TLX: 07-57556.
CONTACT PERSON: Norman Buhr, Gen. Mgr.
Storage cap. 720,000 bu., soybean, sunflower and canola operations. Served by rail.*

CANADA PACKERS INC. (R SF IP)
95 St. Clair Ave. W., Toronto, Ont. M4V 1P2, Ph. 416-766-4311, TLX: 062-2257; Plants at: Vancouver, Edmonton, Winnipeg, Toronto and Montreal.
CONTACT PERSON: L.R.L. Symmes, Gen. Mgr.
Fully refined, hydrogenated and fractionated oil. Margarine, shortening and cooking/salad oil.*

CANADIAN VEGETABLE OIL PROCESSING (P SF IP)
Div. Canada Packers Inc., P.O. Box 618, Station A, Hamilton, Ont. L8N 3K7, Ph. 416-527-9121; TLX: 061-8315.
CONTACT PERSON: George Vinall, Gen. Mgr.
Crown Blaw-Knox hexane solvent cap. 1,200T, continuous press cap. 600T, storage cap. 1,000,000 bu., CVOP soy meal, crude and crude degummed oil, and mixed feed. Served by truck, ship and rail.*

MAPLE LEAF MONARCH CO. (P R SF IP)
365 Evans Ave., Toronto, Ont. M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Windsor, Ont.
CONTACT PERSON: W.G. Milliken, Chrmn.
Lurgi hexane solvent cap. 1,200MT, Prepress Lurgi hexane solvent cap. 300MT, storage cap. 2,300,000 bu., soybean, flaxseed, rapeseed, sunflower, soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oils. Served by truck, rail and ship.*

MONARCH FINE FOODS CO. LTD. (R SF)
6700 Finch Ave. W., Rexdale, Ont. M9W 1G9, Ph. 416-675-1678; TLX: 06-989-485; Plants at: Rexdale and Vancouver.
CONTACT PERSON: J. Sernissi
Fully refined and hydrogenated oils; margarine, shortening and cooking/salad oil. Served by truck and rail.*

VICTORY SOYA MILLS LTD. (P SF IP)
Affiliate of Procter & Gamble Co., Cincinnati, OH; 333 Lake Shore Blvd. E., Toronto, Ont. M5A 1C2, Ph. 416-363-8771; TLX: 06-219812; CABLE: (VICTORY TOR).
CONTACT PERSON: B.S. Aitken, Gen. Mgr.
Served by rail.*

CHILE

ACEITERA TALCA S.A.(ACEITAL) (P SF)
Casilla 20D, Camino Longitudinal Sur., Talca, Ph. 32163.
CONTACT PERSON: Rodrigo Vines, Gen. Mgr.
3 exp. cap. 40T, solvent cap. 30T, soybean and other oilseed storage cap. 10,000T, ORO

VEGETAL soy meal and soy flour, approx. soybean operations 20%. Served by rail.

ACEITES Y ALCOHOLES (PATRIA) S.A. (P)
Huerfanos 812, 3ER Piso, Santiago, Ph. 394255; Plant at: Camino a la Costa S/N, Lontue.
CONTACT PERSON: Guillermo DeMartini Alvarez, Plant Mgr.

AGRO INDUSTRIAL MIRAFLORES S.A. (P R)
Augustinas 1022, OF 823, Santiago, Ph. 67102; TLX: 40953 (AIMSA); Plants at: Santiago, Talca and Temuco.
CONTACT PERSON: Raymundo P. Perez, Gen. Mgr.
Solvent cap. 28T, continuous press cap. 50T, storage cap. 1,500MT, soy meal, fully refined oil.*

COMPANIA INDUSTRIAL (P)
Huerfanos 812, 3ER Piso, Santiago, Ph. 394255; Plant at: Temuco, Padre Las Casas.
CONTACT PERSON: Jose Gonzalez Briones, Plant Mgr.
2 exp. cap. 200T, DeSmet solvent cap. 200T, storage cap. 1,000,000 bu., CHEF, CRISTAL, DOS BANDERAS Oil, approx. soybean operations 15,000T, rapeseed operation 5,000T.

COOPERATIVA AGRICOLA AVICOLA SANTIAGO LTD. (P)
Avda., Central No. 4051, LaValledor, P.O. Box 10080, Santiago, Ph. 9881; Plant at: Camino Melipilla 1630, Padre Hurtado.
CONTACT PERSON: Marcelo Ladevig, Mgr.
Exp./screw press cap. 24T, storage cap. 5,000MT, soy meal, mixed feeds and pellets.

SUPER POLLO INC. CO. (P)
P.O. Box 333, Rancagua, Ph. 24943-Rancagua; Plant 22-Donihue.
CONTACT PERSON: Gonzalo Vial Vial.
2 exp./screw press cap. 130T, storage cap. 2500T, SUPER POLLO mixed feeds and pellets for company use.

WATT'S ALIMENTOS SAC E I (R SF)
J.J. Prieto 10501, Santiago, Ph. 583625.
CONTACT PERSON: Carlos Larrain, Purch. Mgr.
Fully refined and hydrogenated oils. LA SURENA, LA DANESA, LA REINA, CRUZ DE ORO margarines; LA REINA, BELMONT, CRUZ DE ORO cooking/salad oils. Served by truck, rail and ship.

COLOMBIA

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS) (P R SF)
Aceites Del Tolima S.A., Carretera del Sur 57-21, Bogota, Ph. 30-50-55; TLX:41368.
CONTACT PERSON: Guillermo Espinoso Soto, Gen. Mgr.
Lurgi solvent cap. 150T, storage cap. 9,000T, soy meal, crude, crude degummed, fully refined, hydrogenated and fractionated oil, DAGUSTO, NIEVE margarine, LA SEVILLANA shortening and cooking/salad oil. Served by truck.*

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A. (P R IP)
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706.
CONTACT PERSON: Ing. Ivan Lujan
2 exp. cap. 22T, solvent cap. 150T, storage cap. 7,000MT, LA AMERICANA soy meal, crude, crude degummed, once refined, fully refined , hydrogenated and fractionated oils and shortening. Served by truck and ship.*

FAGRAVE S.A. (P R IP)
Via 40 #53B-71, Barranquilla, Ph. 316120; TLX: 33115 (AA 2289).
CONTACT PERSON: Eduardo Rosas, Plt. Mgr.
Solvent cap. 120T, crude, crude degummed and fully refined oil. Served by truck and ship.*

GRASAS S.A. (P R SF)
Calle 11, No. 18-113, Apartado Aereo 85, Buga-Valle, Ph. 2021; TLX: 05866.
CONTACT PERSON: Alberto Angel Leon, Pres.
2 exp. cap. 200T, Blaw-Knox solvent cap. 200T, storage cap. 1,600,000 bu., SUPERTORTA DE SOYA soy meal; crude, crude degummed, hydrogenated and fractionated oils; approx. soybean operations 48,000T. Exports through Buenaventura. Served by rail.*

GRASAS VEGETALES S.A. (P R SF IP)
Carerra 51, No. 49-59, Piso 10, Box 5002, Medellin; TLX: 66-797; Plant at: Sabaneta, Antioquia.
CONTACT PERSON: German Castillo Ramirez, Gen. Mgr.
1 exp. cap. ,60T, DeSmet solvent cap. 250T, storage cap. 5,000T, GRAVETAL soy meal; crude, crude degummed, once refined, fully refined and hydrogenated oils; shortening; approx. soybean operations 3,000T/month.*

INSTITUTO DE MERCADEO AGROPECUARIO-IDEMA (P R)
Carrera 10 Numero 16-82, Bogota, D.E., Ph. 829911; TLX: 44795-43315.
CONTACT PERSON: Fabio Bermudez Gomez, Asst. Mgr.
Meal and fully refined oil. Served by ship.

LLOREDA GRASAS S.A. (P R SF)
Autopista Cali-Yumbo Kilometro 3, Cali, Ph. 682111; TLX: 055-711 (LLOGRCO).
CONTACT PERSON: Hugo Parra, Comm. Mgr.
3 exp. cap. 60T, solvent cap. 400T/day, storage cap. 30,000MT, approx. soybean operations 70,000T/year, soy meal, PROTARINA soy flour, OLEOCALI salad/cooking oils, MANTECALI shortening, NOVA margarine; crude, crude degummed, once refined, fully refined and hydrogenated oils; ocean port Buenaventura 120 KM. Served by truck and rail.*

DENMARK

AARHUS OLIEFABRIK A/S (P)
Bruunsgade 27, 8100 Aarhus C, Ph. 06-12-60-00.
CONTACT PERSON: H.F. Andersen, Merc. Dir.
DeSmet solvent cap. 1,200T, soy meal, approx. soybean operations 250,000T.*

DOMINICAN REPUBLIC

SOCIEDAD INDUSTRIAL DOMINICANA C.A. (P)
Ave Maximo Gomez No. 182, Santo Domingo, Ph. 809-565-1323.
CONTACT PERSON: Otto W. Bauer, Asst. Adm.
10 exp./screw press cap. 300MT, storage cap. 370,000 bu., GANADERO FULL-OF-PEP mixed feeds, approx. soybean operations 40%.

ECUADOR

CIA. LTDA. "LA FABRIL" (P R SF)
Km. 5½, Via a Portoviejo, Manta, Ph. 610-091, 612-734; TLX: 04-6101 (FABRIL ED).
Continuous press cap. 35T/day, soy meal, crude, crude degummed, fully refined and fractionated oils; shortening. Served by truck.

FABRICA DE ACEITES "LA FAVORITA" S.A. (P R SF)
Francisco Marcos 102, P.O. Box 486, Guayaquil, Ph. 402840.
CONTACT PERSON: Ernesto Noboa, Gen. Mgr.
DeSmet solvent cap. 120T, storage cap. 8,600MT, soy meal, crude, fully refined and hydrogenated oil. DORINA and BONELLA margarines, PORKY shortening and LA FAVORITA and MAIZSOL cooking/salad oil. Served by truck.*

INDUSTRIAS ALES C.A. (P R SF IP)
Casilla 4808, Manta, Ph. 610470.
CONTACT PERSON: Wolf R. Harten, Mgr.
DeSmet solvent cap. 120T, soy meal, crude, crude degummed, hydrogenated and fully refined oils, LA CORONA margarine, TRES CORONAS and LA REINA shortening, DOS CORONAS cooking/salad oil. Served by truck.*

OLEICA S.A. (P R SF)
KM. 6½, Via a Daule, Casilla 3228, Guayaquil, Ph. Conm. 351-300.
CONTACT PERSON: Ing. Luis Piana, Plant Mgr.
Solvent cap. 125T/day, storage cap. 8,000 MT, manufacturers balanced rations, soy meal, crude, crude degummed, fully refined and fractionated oil. KLAR margarine, ALEGRIA shortening, LA PERLA cooking/salad oil, approx. soybean operation 30%.*

PHIDAYGESA (P R SF)
Km. 16½, Via a Daule, Guayaquil, Ph. 351555; TLX: 04-3506.
CONTACT PERSON: Emilio Baquerizo V., Pres.
Solvent cap. 70T/day, continuous press cap. 50T/day, storage cap. 5,000T, soy meal, fully refined, hydrogenated and fractionated oils, ESPECIAL and ASTRA margarines, UNICA and LECHONCITA shortenings, UNICA and BRILLANTE cooking/salad oils. Served by truck and ship.*

EGYPT

AL ARZ INDUSTRIES FOR VEGETABLE OILS & DERIVATIVES (P R)
Free Zone, Alexandria, Ph. 803373; TLX: 54214 (SINNO UN).
CONTACT PERSON: Ziad Nakhal, Plant Mgr.
Rotocel solvent ext. cap. 300-350MT, storage cap. 25,000MT, 44% and 48% soy meal, fully refined liquid soy oil. Served by barge and ship.

EXTRACTED OILS & DERIVATIVES CO. (P)
Affiliate of Egyptian General Organization for Food Industries, Canal Mahmoudia St., Alexandria, Moharram Bey, Ph. 26199; TLX: 54015 (UN).
CONTACT PERSON: Eng. Osman Rifaat
DeSmet solvent cap. 350T, storage cap. 110,000 bu., approx. soybean operations 60,000T.

ENGLAND

BOCM SILCOCK LTD. (P R)
BOCM Silcock House, Basing View, Basingstoke, Hampshire RG212EQ, Ph. 29211; TLX: 858429; Plant at: Selby.
CONTACT PERSON: A. Peake, Gen. Mgr.
Manufacture animal feeds.

J. BIBBY EDIBLE OILS LTD. (P R)
57 Great Howard St., Liverpool L37AW, Ph. 051-236-6671.
CONTACT PERSON: D.L. Airey, Mgr. Dir.*

THE BRITISH ARKADY CO. LTD. (P SF)
Arkady Soya Mills, Old Trafford, Manchester M16 ONJ, Ph. 061-872; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
HI-SOY, DO-SOY and ARKASOY soy flour, ARCON protein concentrate, ARDEX isolated soy protein, TVP textured soy protein. Food ingredients.*

BRITISH SOYA PRODUCTS LTD. (P SF)
Puckeridge NR Ware, Hertfordshire; Ph. 821291; TLX: 81352.
CONTACT PERSON: D.N. Hellier, Mgr. Dir.
TRUSOY and BREDSOY soy flours, functional food ingredients and BESPRO textured proteins. Served by truck.*

CONTINENTAL (LONDON) LTD. (P)
Continental Grain Co., 2 Gladstone Dock, Bootle, Merseyside L20 IBG, Ph. 051-933-6561; TLX: 628000.
CONTACT PERSON: D. Decker, Plant Mgr.
Solvent cap. 2,200T, storage cap. 300,000 bu., CONTISOYA brand.*

JAMES E. DEAN & CO. (R)
51 Edison Rd., Rabans Lane, Aylesbury HP 193TE, Ph. Aylesbury (0296) 34534; TLX: 837228.
CONTACT PERSON: G. Bruce, Trader
Crude, crude degummed, fully refined, hydrogenated and fractionated oils. Served by truck.*

ERITH OIL WORKS LTD. (P)
Church Manorway, Erith, Kent DA8 1DL, Ph. 01-304-7111.
CONTACT PERSON: J.R.V. Greaves, Works Dir.

Solvent cap. 1,350T, UNIMILLS soy meal. Served by road and sea.*

SOYA FOODS LTD. (P SF)
Member of Dalgety Spillers Ltd., New Malden House, 1 Blagdon Rd., New Malden, Surrey KT3 4TB, Ph. 01-949-2141; TLX: 896660; Plant at: Jacob St., Bermondsey, London SE1.
CONTACT PERSON: R.J. Woodfield, Prod. Grp. Mgr.
Storage cap 40,000 bu., SOYOLK and DIASOY, full-fat soy flours, other bread improvers.*

VAN DEN BERGHS AND JURGENS LIMITED (R SF)
Sussex House, Burgess Hill, West Sussex RH15 9AW, Ph. (04446) 46300; TLX: 877381 (VDBJ BH G); Other locations: Purfleet, Essex; Bromborough, Cheshire; Greenock; Renfrewshire (Scotland); Needham Market, Suffolk.
CONTACT PERSON: B.P. Backlog, O & F Mgr.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oils; STORK, ECHO, BLUEBAND, FLORA, SUMMER COUNTY, TOMOR, KRONA margarines; COOKEEN, WHITE CAP, SPRY CRISP 'N DRY, VEBOL shortenings; CRISP 'N DRY, SALADIN, FRYTOL, FLORA OIL cooking/salad oils. Served by truck, barge and ship.*

FEDERAL REPUBLIC OF GERMANY

BROEKELMANN & CO. (P R)
D 4700 Hamm, Oelmuehle, Raffinerie, Speicherstr. 14-18, Ph. 02381/44851-6; TLX: 1828843.
CONTACT PERSON: Dr. Luley
4 exp. cap. 600T, hexane solvent cap. 800T, storage cap. 15,000T. Soy meal; crude, crude degummed, once refined and fully refined oils; cooking/salad oil. Served by truck, rail and barge.*

HARBURGER OELWERKE BRINCKMAN & MERGELL (P)
Seehafenstrasse 2, D-2100 Hamburg, Harburg, Ph. 77-11-41; TLX: 02-17-681.
CONTACT PERSON: R. Merkle, Plant Mgr.
Lurgi ext. cap. 1,100T, storage cap. 900,000 bu., HOBUM soy meal. Served by rail.*

NOBLEE & THOERL GmbH (R)
Div. of Henkel KGaA, Duesseldorf. SeehafentraBe 24, P.O. Box 90-10-40, 2100 Hamburg 90, Ph. (40) 77-16-81; TLX: 02-177-13 (NOBLE D).
CONTACT PERSON: Rolf Spindler, Purch. Mgr.
Hardened, fractionated and interesteryficated oils and fats, fully refined, hydrogenated and fractionated oils. Served by truck, rail, barge and ship.*

O. & L. SELS KG (P R SF)
Duesseldorfer Str. 101, D-4040 Neuss/Rhein, Ph. 02101/24054; TLX: 8517835 sels d.
CONTACT PERSON: B. Gesthuysen
8 exp. cap. 1,000T, solvent cap. 2,100T, storage cap. 1,000,000 bu. Meal, crude, crude degummed, once refined and fully refined oils, lecithins. Served by rail and barge.

OELMUEHLE HAMBURG AG (P R SF)
P.O. Box 930-320, D-2102 Hamburg 93, Ph. 75-19-41; TLX: 02-163537.
CONTACT PERSON: A.V. Wissel, VP
Solvent cap. 4,000T, soy meal, crude degummed and fully refined soy oil, soy lecithins and derivatives, protein meals and flours. Served by truck, rail, barge and ship.*

OELWERKE NOURY & VAN DER LANDE GmbH (R IP)
IndustrietraBe 10, 4240, Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: H. Herten, Dir.
Once refined and fully refined oils and cooking/salad oil. Served by truck, rail and barge.*

OELWERKE SPYCK (P)
Zweignieder Lassung Der Union Deutsche Lebensmittelwerke GmbH, Niederrhein 1, Postbox 2080, D-4190 Kleve, Ph. 02821-9041; Office at: Postbox 101509, Dammtorwall 15, Unileverhaus, D-2000 Hamburg 36.
CONTACT PERSON: H. Habig, Plant Mgr.
Solvent cap. 790T, storage cap. 18,000T, oilseeds, UNIMILLS SOYA-SCHROT. Served by rail and barge.*

Jb SCHMIDT SOEHNE (R)
6551 Odernheim, Ph. 06755-316; TLX: 042516 Gruenhaus.*

SOYA MAINZ GmbH & CO. KOMMANDITGESELLSCHAFT (P)
Dammweg 2, Postfach 3767, Ph. Mainz 06131/80051; TLX: 0418761 a sm d.
CONTACT PERSON: Dieter Berres or Albert Wolf
Cap. 2,500T, storage cap. 1,000,000 bu.*

THORL'S VEREINIGTE HARBURGER OELFABRIKEN (P)
Zweigniederlassung der Union Deutsche, Lebensmittelwerke, GmbH, D 2100 Hamburg 90, Ph. 040-771241.
CONTACT PERSON: K. Eckert, Plant Mgr.
Solvent cap. 2,900T, storage cap. 28,000T, oilseeds, UNIMILLS SOYASCHROT, approx. soybean operations 50%. Served by rail, lighters and seagoing vessels.*

C. THYWISSEN (P R SF)
Postfach 71, Industriestr. 33, Olfabrik, D-4040, Neuss, Rhein, Ph. 02101/26041; TLX: 08517803.
CONTACT PERSON: Matthias Fischer, Head Soybean Buyer
14 exp. cap. 500T, solvent cap. 1,000T, storage cap. 350,000 bu., soy meal, crude, crude degummed and fully refined oils and lecithin. Served by truck, rail, barge and ship.*

UNIMILLS (P SF)
Vertriebsgesellschaft fur Ernahrungsfette, Ole und Futtermittel mbH, Dammtorwall 15, Unileverhaus, Box 101509, D-2000, Hamburg 36, Ph. 040-34901.
CONTACT PERSON: Dr. J.E. Batterbee, or Dr. A. Bartels
Processing, lecithin, complete product range for edible, technical and animal applications.*

UNION DEUTSCHE LEBENSMITTELWERKE GMBH (P)
Oil Milling Div. of Unilever, Unileverhaus, Dammtorwall 15, P.O. Box 101509, D-2000, Hamburg 36, Ph. 040-34901.
CONTACT PERSON: Dr. J.E. Batterbee, or Dr. A. Bartels*

VEREIN DEUTSCHER OELFABRIKEN (P)
Zweigniederlassung der Union Deutsche Lebensmittelwerke GmbH, 6800 Industriehafen, Bonadiestr. 3-5, D-6800 Mannheim, Ph. 0621-37041.
CONTACT PERSON: W. Brod, Plant Mgr.
Solvent cap. 3,200T, storage cap. 30,000T, oilseeds, UNIMILLS SOYA-SCHROT, approx. soybean operations 50%. Served by rail and barge.*

WALTER RAU NEUSSER OEL UND FETT AG (R)
Industriestrasse 36, 4040 Neuss, Ph. 2101-208-0; TLX: D-8-517-827.
Refining, hydrogenation, soy and other vegetable oils.*

WILHELM CONNEMANN (P)
Saegemuehlenstrasse 45, D-2950 Leer, Ostfriesl, Ph. 0491-4571; TLX: 02-7734.
CONTACT PERSON: Dr. Ing. Joosten Conneman or Klaus-Jurgen Dierks, Sales Mgr.
5 exp. cap. 650T, solvent cap. 900T storage cap. 5,000T, CONNESOY 44% pellets, meal and flour, sunpellets 29%, defatted wheat germ flour 30%, refinery 100T, sunoil, refined and winterized, rapeseed, maize and wheat germ oil. Served by DB and River Ems, own wharf in Leer Port, Draft of 15-ft.*

FINLAND

OLJYNPURISTAMO OY (P)
Niittaajankatu 1, Helsinki, Ph. 780155; TLX: 12-1518.
CONTACT PERSON: P. Karri, Mktg. Dir.
3 screw pr., DeSmet solvent ext. cap. 600T, storage cap. 5,000MT, soy meal, soy flour, degummed soy oil, soybean lecithin. Own port. Served by truck, rail, barge and ship.*

OY KASVIOLJY (P R SF IP)
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
Continuous press cap. 250T, solvent cap. 500T, storage cap. 7,000MT, soy meal; crude degummed, fully refined, hydrogenated and fractionated oils; distilled fatty acids and byproducts. Served by truck, rail and ship.*

FRANCE

BORDEAUX-OLEAGINEUX (P)
Quai Alfred de Vial, 33530 Bassens, commercially managed by Societe Francaise Bunge, H5, Ave. George V, 75008 Paris, Ph. 723 0109; TLX: 614 874.
CONTACT PERSON: Pierre Terrasson, Dir.
Exp. cap. 1,100T, storage cap. 32,000MT, soy meal, crude and crude degummed oil. Served by truck, rail, barge and ship.*

P. DUMORTIER FRERES S.A. (P)
BP 120 Tourcoing 59202, Ph. 26-61-00; TLX: 810075.
CONTACT PERSON: Mr. Dumortier
Served by rail.*

HUILERIES ALSACIENNES S.A. (P)
1 Place Henry Levy, Boite Postale No. 19, 67016 Strasbourg Cedex, Ph. 88-61-48-55; TLX: 870979.
CONTACT PERSON: G. Haefele, Oil Sales Mgr.
Served by Rhine canal and rail.

SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO) (P R SF IP)
Office and plant: 12 Rue du General De Gaulle, 62223 St. Laurent Blangy, B.P. 99-62223 Saint Laurent Blangy, Ph. (21) 59.98.00; TLX: 820580 (SIO); office: SIO Direction Proteines, Groupe Lesieur, 122, Av. du General LeClerc, 92103 Boulogne-Billancourt, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Gerard Engrand, Plt. Mgr.
DeSmet solvent cap. 220T, soy grits and flours manufacturer: SOYOPTIM, SOYADYN, SOYASSIM, PROTISOYA, FLOCOSOYA, SOYASOL, soy flours, soy meal, shortening, once refined, fully refined and hydrogenated oils; soybean operations 66,000T/year. Served by truck, rail, barge and ship.*

SOJA FRANCE S.A. (P)
Boulevard Paul Leferme, St. Nazaire 44600, Ph. 22-91-07; TLX: 700-941; Plant at: Brest 29200, Ph. 80-26-09.
CONTACT PERSON: J.L. Lapix, A. Gen. Mgr.
Solvent cap. 1,700T, storage cap. 2,200,000 bu., soy meal and crude degummed oil. Served by truck and rail.*

GREECE

SOYA MILLS S.A. (R)
Valaoritou 9, Ph. 36.01.002 Athens; Plant at: Kalamaki, Korinthe.
CONTACT PERSON: A. Ofloudis or E. Karatzas
Solvent cap. 600T, storage cap. 1,850,000 bu., quality 44%-45% PROFAT soy meal. Served by own port.*

HAITI

SODEXOL, SOCIETE D'EXPLOITATION D'OLEAGINEUX (P R SF IP)
S.A.M. Laffiteau, P.O. Box 13460, Delmas, Port-au-Prince.
CONTACT PERSON: Eliezer Bashan
H.L.S. solvent cap. 360T/day, continuous press cap. 200MT, storage cap. 1,200MT, soy meal, pellets, crude, crude degummed, once refined and fully refined oil. Served by truck, barge and ship.*

INDIA

DIPAK SOLVENT EXTRACTION INDUSTRIES (P R)
Jawahar Road, Manavadar-362 630, Ph. 267, 268; TLX: 0164-215 (DSEI IN); Other location: Manavadar, Gujarat.
CONTACT PERSON: Shri G. G. Patel, Partner
Solvent cap. 100MT/day, storage cap. 1,000MT, soy meal, crude and fully refined oil. Served by truck and rail.*

FOODS FATS & FERTILISERS LIMITED (P R IP)
Post Box No. 15, Tanuku Road, Tadepalligudem 534 101, Andhra Pradesh, Ph. (8816) 2571.
CONTACT PERSON: Sushil Goenka, Prod. Dir.
Solvent cap. 100MT/day, soy meal, pellets, fully refined and hydrogenated oil. Served by truck, rail and ship.*

GODREJ SOAPS LIMITED (P R IP)
Pirojsha Nagar, Eastern Express Highway, Vikhroli, Bombay, Maharashtra 400 079, Ph. 584461-9/586861-8; TLX: 11-3480 (AVIX IN); Other locations: Miraj, Maharashtra; Ambattur, Madras; Tirunelveli, Tamil Nadu.
CONTACT PERSON: N.B. Godrej, Dir.
Solvent cap. 100T/day, continuous press cap. 35T, storage cap. 1,000MT, soy meal, mixed feed, crude, crude degummed, hydrogenated and fully refined oil. Served by truck and rail.*

HINDUSTAN LEVER LIMITED (P)
Subsidiary of Unilever Limited, London, England, 165-166 Backbay Reclamation, Bombay 400 020, Ph. 221222; TLX: 011-2323.
Manufacturer of GOLDMOHUR mixed feeds and pellets.

J.K. EXPORT INDUSTRIES (P R)
Savitabag, Vadal Road, P.O. Box No. 37, Junagadh 362 003, Ph. 1431; 2080; 1389; Resi 914; TLX: 0164-204 (LUCK IN).
CONTACT PERSON: M.B. Patea, Managing Partner
Solvent cap. 110T/day, continuous press cap. 80T/day, soy meal; pellets; crude, once refined, fully refined, hydrogenated and fractionated oils. Served by truck.

JINDAL SOLVENT EXTRACTIONS (P R SF IP)
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Madan Mohan Jindal, Partner
Solvent cap. 65T/day, storage cap. 10,000T, soy meal, crude and fully refined oil. Served by truck.

KALYAN SOLVENT EXTRACTION LIMITED (P R)
38, Siyaganj, 1st Flr., Indore, M.P., Ph. 35543; Other location: Amona, Dewas, M.P.
CONTACT PERSON: K.C. Barjatya, Mgr. Dir.
Solvent cap. 60MT/day, soy meal, crude and fully refined oil. Served by truck and rail.

LIBERTY OIL MILLS (P R SF)
302 Dalamal House, 206 Nariman Point, Bombay, Maharashtra, Ph. 244445; TLX: 11 6189 (LIBO IN).
CONTACT PERSON: Parvez Kader, Partner
Solvent cap. 100T/day, storage cap. 3,000MT, soy meal; pellets; crude, crude degummed, once refined, fully refined and hydrogenated oils; CHANDA margarine; BUTLER and SAVERA cooking/salad oil. Served by truck, rail and ship.*

M.P. OIL EXTRACTION PVT. LTD. (P R)
22/55 Industrial Area, Raipur (M.P.) 492 001, Raipur, Madhya Pradesh, Ph. 25027, 26670, 23429; TLX: 0775-215/224 (MPOL).
CONTACT PERSON: Shri Suresh D. Manik, Mgr. Dir.
Solvent cap. 150MT/day, storage cap. 6,000MT, soy meal; crude, crude degummed and fully refined oils. Served by truck, rail and ship.

MADHUSUDAN VEGETABLE PRODUCTS CO. LTD. (P R)
P.O. Rakhial Stn.-382315 Talukai-Behgam, Ahmedabad, Gujarat, Ph. 22896, 22897, 22898; TLX: 012-482; Other locations: Rakhial; Kadi, Mehsana (Gujarat).
CONTACT PERSON: R.S. Saraogi, C.E.O.
Solvent cap. 50T/day, storage cap. 1,000MT, soy meal; crude, crude degummed and fully refined oils. Served by truck, rail and ship.

MALWA PROTEINS & OILS PVT. LTD. (P)
E 5/90, Arera Colony, Bhopal (MP) 462016, Ph. 64891; TLX: 0705-276 (705-MPOL IN); Other factory: Maksi (Gadroli) Industrial Estate, Maksi Dist., Shajapur (MP).
CONTACT PERSON: Deepak Suryavanshi, Mgr. Dir.
Solvent cap. 60T-100T/day, continuous press cap. 60T-100T/day, storage cap. 4,000T, soy meal, crude and crude degummed oil. Served by truck, rail, barge and ship.*

MALWA VANASPATI & CHEMICAL COMPANY LIMITED (P R IP)
1, Mohatta Nagar, Indore - 452 003, M.P., Ph. 6353, 6354, 6355; TLX: 0735 228 MVCC IN (MVCC).
CONTACT PERSON: B.S. Mohatta, Chrmn.
Soy meal; crude, crude degummed, once refined, fully refined and hydrogenated oils. Served by truck, rail and ship.*

MANGLIAGAON (M.P.) GENERAL FOODS PVT. LTD. (P R SF IP)
150, Jaora Compound, Indore 452001, Ph. 6889; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Solvent cap. 150MT, storage (150) cap. 3,000MT, soy meal; mixed feed; crude, crude degummed, once refined and fully refined oils; soya flours. Served by truck and rail.

NAV MAHARASHTRA CHAKAN OIL MILLS (P R)
A-12, M.I.D.C., Ahmednagar, Maharashtra, Ph.

55, 172, 173; TLX: 0743 205 (NMC IN).
Solvent cap. 200MT. Crude and refined oil.*

PRABHAT SOLVENT EXTRACTION INDUSTRIES PVT. LIMITED (P R SF IP)
1st Flr., Sterling Apts., Jawahar Road, Post Box No. 76, Rajkot, Gujarat, 360 001, Ph. 32951, Std. code 0281; TLX: 0169 234 & 0169 286 (SWAD IN) & (PSEI IN); Other locations: Manavadar, Gujarat; Rajkot (Madhapar), Gujarat.
CONTACT PERSON: Navin D. Vadalia, Mgr.
Solvent cap. 100MT/day, soy meal; crude, crude degummed, once refined, fully refined and hydrogenated oils; SWAD cooking/salad oil. Served by truck and rail.

PREMIER EXTRACTIONS PRIVATE LIMITED (P R SF)
45/47 A. Industrial Area, A.B. Rd., Dewas, Madhya Pradesh, Ph. 5989, 38705 or 236-854; TLX: 0735-306 (PREM-IN).
CONTACT PERSON: Sh. G. L. Agrawal, Mgr. Dir.
Solvent cap. 150MT, storage cap. 10,000MT, soy meal, crude and fully refined oils. Served by truck and rail.*

PRESTIGE FOODS PRIVATE LIMITED (P R SF IP)
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Solvent cap. 160T/day, storage cap. 6,000T, soy meal; mixed feed; pellets; crude, crude degummed, once refined and fully refined oils. Served by truck, rail and ship.*

RAJANI BROTHERS (R)
15, Jaora Compound, Indore-452001, M.P., Ph. (0731) 5163 & 7722.
CONTACT PERSON: G.J. Rajani, Partner
Continuous press cap. 40T, crude and fully refined oil. Served by truck and rail.*

RASOI LIMITED (R)
20 R.N. Mukherjee Road, Calcutta, W. Bengal, 700001, Ph. 23-0114; Other locations: Kundli, Haryana; Bhiwani, Haryana; Jalgaon, Maharashtra.
CONTACT PERSON: Raghu Mody, Chrmn.
Hydrogenated oil and shortening. Served by truck.*

SHREE KANTI OIL MILLS (P)
Anand Building, 82/84, Kazi Syed St., Bombay-400 003, Ph. 32 27 97 or 33 55 21; TLX: 011-3581 (KNTI-IN); Other location: Jamnagar, Gujarat.
Solvent extraction.

SHREE MANSINGKA OIL MILLS LIMITED (P R)
258, Kalbadevi Rd., Bombay-400002, Maharashtra, Ph. 317791, 296313; Other location: Khandwa, Madhya Pradesh.
CONTACT PERSON: D.P. Mansingka, Jt. Mgr. Dir.
Solvent cap. 120MT/day, continuous press cap. 100MT/day, storage cap. 4,000MT, soy meal, crude and fully refined oil. Served by truck and ship.

SOYABEAN EXTRACTION PRIVATE LTD. (P)
143 Jolly Maker Chambers Two, 14th Flr., 225 Nariman Pt., Bombay 400-021, Ph. 231320; TLX: 0-11-3078 (UTPA IN); CABLE: UTPADAN.*

THE TATA OIL MILLS CO. LTD. (P)
Bombay House, Bombay 400-023, Ph. 259131; TLX: 011-2618.
CONTACT PERSON: M.C. Badami, Mgr. Protein Foods
2 exp., solvent cap. 21,900T/year, PROTIMITE isolate, CHIC-PIC poultry feed mash, O.K. cattle feed, soy flour, mixed feeds and pellets.

VED BRAT & CO. (P SF IP)
Reg. Soya Protein Ltd., 39-C Prem House, Connaught Place, New Delhi 1, Ph. 352761.
CONTACT PERSON: Ved Brat, Pres.
Exp. cap. 50T, solvent cap. 100T, storage cap. 10,000MT, soya proteins, soy meal, mixed feed and crude oil. Served by truck and rail.

VIKAS EXPORT INDUSTRIES (P R SF)
3, Gandhi Chambers, Gondal Rd., RAJKOT-2, Rajkot, Ph. 88971-88972; TLX: VEIR-281.
CONTACT PERSON: D.G. Patel
Solvent cap. 100MT/day, continuous press cap. 60MT/day, storage cap. 2,000MT, soy meal; crude, once refined and fully refined oils; VIKAS margarine and cooking oil. Served by truck, rail, barge and ship.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD. (P R SF IP)
28, Industrial Area, AB Road, Dewas 455-001, Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Exp. cap 40MT, solvent cap. 100MT, storage cap. 15,000MT, VIPPY and SUPER SOY soy flour; soy meal; crude, crude degummed, once refined and fully refined oils. Served by truck and rail.

IRAN

KHAVARDASHT AGROINDUSTRY CORP. (P)
483 Hafez Ave., Tehran, Ph. 6710129; TLX: 212627; Plant at: Karadji Rd.
CONTACT PERSON: Mr. Haidari, Plant Mgr.
4 exp./screw press cap. 600T, solvent cap. 300T, storage cap. 30,000MT, soy meal.

SHERKATE SAHAMI ROWGHAN NABATI JAHAN (P R SF)
15 Ave., Malekoshoara Bahar, Tehran 15, Ph. 838036; TLX: 214079 (RNJ IR); Plant at: Jahanshahr, Karadj.
CONTACT PERSON: Hamid Ghazanfar, CEO
Solvent cap. 600T, continuous press cap. 250T, storage cap. 20,000MT, soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oil, JAHAN shortening.*

ISRAEL

ETZ HAZAITH LTD. (P R SF IP)
P.O. Box 193, Petah-Tikva, Ph. 927171; TLX: 341859; Plant at: Kiryat Aryeh, Petah-Tikva.
CONTACT PERSON: Pinchas Naor, Plant Mgr.
Ext. cap. 500T, storage cap. 31,000T, HLS solvent ext. 200T, flash desolventizing 30T, refinery HLS 200T, meal 50% proteins, lecithin, flour, hydrogenation, margarine, shortening and soaps.*

IZHAR OIL INDUSTRY OF ISRAEL LTD. (P R IP)
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL); Plant at: 52 Nahlatlzhak St., Tel-Aviv.
CONTACT PERSON: M. Mitelman
SBP Benzene 60% solvent cap. 600T, storage cap. 10,000MT, soy meal; crude, crude degummed, once refined, fully refined and hydrogenated oils. Served by truck and rail.

OLIVEX LTD. (P R SF)
25 Rothschild Blvd., P.O. Box 1498, 61014 Tel-Aviv; Plant at: Petah Tiquah, Ph. 614451; CABLE: EXOLIV.
CONTACT PERSON: Dr. Wolf Cegla, Dr. Uriel G. Cegla or Ronit Silon
Continuous solvent cap. 600MT, storage cap. 8,000T, soy meal; crude, crude degummed, once refined and fully refined oils; GOLD OIL cooking/salad oil. Served by truck.*

SHEMEN INDUSTRIES LTD. (P R IP)
P.O. Box 136, Haifa 31000, Ph. 04-670491; TLX: 46776 (KFood IL).
CONTACT PERSON: Z. Neumann, Mktg. Dir.
Allis-Chalmers, DeSmet and French solv. cap. 600T, storage cap. 16,000T, approx. soybean operations up to 10,000T/month; crude, crude degummed, fully refined and hydrogenated oils; MEGED soy oil and SHEMEN meal. Served by truck, rail and ship.*

TAVLIN LTD. OIL & SOAP FACTORY (P R)
Box 36, Rishon-le-Zion, Ph. 948-224.
CONTACT PERSON: I. Cohen, Plant Mgr.
2 continuous solvent ext. plants, cap. 400T, storage cap. 1,500T, 44% soy meal; crude, crude degummed, once refined and fully refined oils; undecorticated cottonseed meal, approx. soybean operations 80%. Served by truck.

TETH-BETH LTD. (P)
P.O. Box 147, Petah-Tikva, Ph. 913191; TLX: 341962.
Screw presses, continuous ext. cap. 700T, storage cap. 17,000T, approx. soybean operations 10-12 months. Served by rail.

ITALY

GIACOMO COSTA FU ANDREA S.p.A. (P R SF)
Via Gabriele d'Annunzio 2, Genova, Ph. 010-54831; TLX: 270068 (COSTA I); Plant at: Vignole Borbera, Alessandria.
CONTACT PERSON: Lorenzo Costa, Co-owner
Continuous solvent plant cap. 800T, storage cap. 45,000T, COSTA soy meal, crude degummed and fully refined oils, OIO-GICO cooking/salad oil, soy lecithin, approx. soybean operations 90%. Served by truck, barge and ship.*

I.G.O.R. S.p.A. (R SF)
Via Milano 3, Orzinuovi, 25034, Ph. (030) 941761-2-3-4-5; TLX: 300054 (IGEAOR).
CONTACT PERSON: Zanisi Adriano, Pres.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oils; VEGETALINA-MILDA GOLD margarine; FRYPALM shortening.*

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. I.C.I.C. (P R IP)
Molo Sud, Zona Industriale, Ancona, Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: Ing. G. Bertoni, Plant Mgr.
Solvent cap. 800T, storage cap. 46,000MT, approx. soybean operations 70%, soy meal; crude, crude degummed and fully refined oils. Served by truck.

ITALIANA OLII E RISI S.p.A. (P R SF IP)
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I. Plants at: Porto Corsini, Ravenna; Porto Marghera, Venice; and Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Total solvent cap. 3,000T/day, press cap. 400T/day, soybean storage cap. 160,000MT. Soy meal; crude, crude degummed, once refined and fully refined oils; LECITOIL soy lecithin; approx. soybean operations 90%. Served by truck, ship and rail.*

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA (P R SF IP)
Via L da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Solvent cap. 300T, storage cap. 450T - plant storage, 50,000T. Soy meal; pellets; mixed feed; crude, crude degummed and fully refined oils. Served by truck and rail.*

OLEIFICIO FRATELLI BELLOLI SAS (P)
Inveruno 20010, Ph. 978125; TLX: 32549.
CONTACT PERSON: Vincenzo Donini, Mgr.
DeSmet solvent, storage cap. 40,000T.

S.I.O. CASTELFIORENTINO S.p.A. (R SF IP)
Via Senese Romana, N. 275, Castelfiorentino (Fi), 50051, Ph. (0571) 64 33 8; TLX: 570 072 (SIO-CF-I).
CONTACT PERSON: Luciano Zini, Mgr. Dir.
Fully refined oil and cooking/salad oil. Served by truck and rail.*

S.I.O. MODENA S.p.A. (R SF IP)
Via Farini, N. 56, Modena, 41100, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I).
CONTACT PERSON: Mario Bonfanti, Mgr. Dir.
Fully refined oil and OSCAR cooking/salad oil. Served by truck and rail.*

S.I.O. RAVENNA S.p.A. (P IP)
Via Farini N. 56, Modena, 41100, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant at: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr. Dir.
Solvent cap. 1,400T/day, storage cap. 40,000MT, soy meal, crude degummed oil. Served by truck, barge and ship.*

SAMVA (P R SF)
Div. Giacomo Costa Fu Andrea S.p.A., Porto Marghera.
CONTACT PERSON: Lorenzo Costa, Co-owner
Continuous solvent plant cap. 1,000T, storage cap. 55,000T, soy meal, crude degummed and fully refined oils, OIO-GICO cooking/salad oil, soy lecithin, approx. soybean operations 90%.Served by truck, barge and ship.*

JAMAICA

JAMAICA SOYA PRODUCTS INDUSTRIES LTD. (P)
P.O. Box 27, Old Harbour, St. Catherine, Ph. 983-2217.
CONTACT PERSON: F.A. Anderson, Gen. Mgr.
French stationary basket extractor, cap. 300MT, storage cap. 500,000 bu., bulk and bagged soy meal.*

JAPAN

AJINOMOTO CO. INC. (P R SF IP)
5-8, 1-Chome, Kyobashi, Chou-ku, Tokyo, Ph. 272-1111.
CONTACT PERSON: N. Mizoguchi, Plant Mgr.
8 screw press cap. 140T, hexane solvent cap. 700T, storage cap. 1,000,000 bu., fully refined and hydrogenated oils, tempura oil, AJINOMOTO salad oil, HI-TONE shortening, oilseed meal, lecithin, soy protein, seasonings, AJI-MATE, amino acids, mayonnaise, soups, AJI-CURE prepared frozen food, instant coffees and AJI-COAT. Served by truck, rail and barge.*

ASAHI YUSHI CO. LTD. (P R SF)
Higashi Asahikawa City 070, Ph. 0166-36-1121.
CONTACT PERSON: M. Enomoto, Plant Mgr.
Solvent cap. 215T, soy meal, soy oil, protein, flour, and mixed feeds. Served by rail.

FUJI OIL CO. LTD. (P R SF)
Nissei Midosuji Hachimancho Bldg., 6-1 Hachimancho, Minami-ku, Osaka 542, Ph. 06-213-8151; Plants at: Izumisano and Kobe; Offices at: Fukuoka, Hiroshima, Nagoya, Sapporo and Tokyo.

CONTACT PERSON: Fumio Yuasa, Head Soybean Buyer
Exp. cap. 460T, solvent cap. 500T, storage cap. 10,000T. Cooking oils and fats, oils and fats for use in the food processing industry, margarine and shortening, chocolate, non-dairy cream, coffee whitener, filled cheese, soy protein and a wide variety of protein foods. Served by rail.

HOHNEN OIL CO. LTD. (P R SF IP)
Mitsui Life Insurance Bldg., 1-2-3, Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511; Plants at: Kobe and Shimizu.
CONTACT PERSON: M. Yasumoto, Plant Mgr.
Hexane solvent cap. 2,000T, storage cap. 90,000T, HOHNEN salad oil, HOHNEN tempura oil, soy protein, HOHNEN soy milk, HOHNEN soy meal, SOYALET mixed feed for dairy and beef cattle, crude, crude degummed, once refined and fully refined oils, HOHNEN YUTAKA-MAME meal for tofu, HOHNEN ELF health food with vitamin E, vitamin F, corn starch, soy lecithin, soybean glue, SOY PRO culture ground for microbes, synthetic resin adhesives. Served by truck, barge, rail and ship.*

JAPAN SOYA PRODUCTS CO. LTD. (P)
Niphon Daizu Seiyu Co., Ltd., 19-1 Sumiyoshi-Hamamachi, Higashinada-Ku, Kobe.
CONTACT PERSON: Kiyotsugu Itai, Pres.
Solvent cap. 1,800T, soybean operations 45,000T/month, soy meal and degummed soy oil.*

KATO OIL MILL CO. LTD. (P R)
2-1-16, UmeMachi, Konohana-ku, Osaka-Shi, Ph. 06-462-0101.
CONTACT PERSON: Y. Jyojya, Plant Mgr.
Exp. cap. 188T, solvent cap. 300T, soy meal and oil. Served by rail.

NIKKA FATS & OILS CO. LTD. (P R SF)
5-16, 1-Chome, Edobori, Nishi-ku, Osaka, Ph. 06-441-7431; Plants at: Fukuoka, Kitakyushu, Wakamatsu.
CONTACT PERSON: H. Ishihara, Head, Osaka Branch
Hexane solvent cap. 600MT, high press 2 cap. 300MT, storage cap. 15,000MT, BANZAI soy meal, soy protein, rapeseed meal, pellets, mixed feed, crude, crude degummed, once refined and fully refined oils, rapeseed oil, NIKKA salad oil, NIKKA tempura oil. Served by truck, rail and ship.

NIKKO OIL MILLS CO. LTD. (P R SF)
Kanda-Ogawamachi, 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940; Plant at: Mizushima, Kurashki Okayama Pref., Ph. 0864-48-3232.

CONTACT PERSON: F. Nonaka, Mgr. Dir.
2 exp./screw press cap. 400MT/day, solvent cap. 1,200MT/day, storage cap. 55,000MT, NIKKO DASSHIDAIZU, NIKKO MAME and SAKAE MAME soy meals, rapeseed and other vegetable meal, crude, crude degummed, once refined and fully refined oils, cooking/salad oil, rapeseed oil and other vegetable oils. Served by truck, barge, ship and rail.

THE NISSHIN OIL MILLS, LTD. (P R SF IP)
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923; Plants at: Yokohama and Kobe.
CONTACT PERSON: T. Okumori, Plant Mgr.
4 cont. solvent ext. cap. 3,300T/day, storage cap. 115,000T, DAIKYUI soy meal, pellets, soy flour, SOY-MEE soybean edible protein, soy oil, NISSHIN salad oil, dressing, BON-LAND margarine, shortening, lecithin, fatty acid, hardened oil, other vegetable oil and meals, approx. soybean operations 600,000T/year.*

SHOWA SANGYO CO. LTD. (P R SF IP)
2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
Continuous solvent cap. 2,200T, storage cap. 285,700T, SHOWA soy meal, soy oil, salad oil, soybean glue, lecithin, SHOWA soy flour and mixed feeds, SANGYO-MAME soy flour for tofu. Served by ship.

TOYO OIL MILLS CO. INC. (P R SF IP)
Subsidiary of Ajinomoto Co. Inc., Tokyo; 230 Shinminato, Chiba-Shi 260, Ph. 0472- 1-1251.
CONTACT PERSON: N. Tachikawa, Supt.
Solvent cap. 2,000T, storage cap. 83,000MT soybeans, 19,500T soy meal, once refined oil and lecithin. Served by truck, barge and ship.*

YOKKAICHI OIL & FATS CO. LTD. (P R)
3-44 Go, Suehiro-cho, Yokkaichi 510, Ph. 52-5131.
CONTACT PERSON: K. Hattori, Plant Mgr.
Solvent cap. 230T, storage cap. 300,000 bu., soy meal and oil.

KOREA

CHEIL SUGAR CO. LTD. (P R SF IP)
23rd Floor, Samsung Main Bldg. 250, 2-Ka, Taepyung-ro, Chung-Ku, Seoul, Ph. 28-7533; TLX: K23762; Plant at: 64 3-Ka Sinhungdong Chungku Inchon.
CONTACT PERSON: M.Y. Yoo, Plant Mgr.
Solvent cap. 700MT/day, storage cap. 20,00MT, storage cap. 20,000MT, WHITE SNOW soy meal and CHEIL mixed feeds, crude, crude degummed, once refined and fully refined oil, WHITE SNOW cooking/salad oil. Served by truck.*

DONGBANG OIL AND FLOUR MILLS CO. LTD. (P R SF IP)
No. 2, Yangpyong-dong 4-Ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 (KOSADB); Plant at: 468 E-dong, Jin Hae, Kyung Nam., Ph. 2-2161-3.
CONTACT PERSON: Myoungsoo Shin, Pres.
Solvent cap. 1,725MT/day, press cap. 150MT/day, storage cap. 1,763,000 bu., soy meal; crude, crude degummed, fully refined and hydrogenated oils; HAE PYO cooking/salad oil; HAE PYO mixed feed; DONG BANG soy flour; soymilk for nutritional beverage and raw material for ice cream, TSP. Served by truck, rail, ship.

SAM YANG OIL & FEED CO. LTD. (P)
51-1 Susong-dong, Jongro-ku, Seoul, Ph. 74-3406; TLX: K23275; Plant at: 45-7ka, Hang-dong, Jung-gu, Inchon; Ph. 3-8284.
CONTACT PERSON: Byung Wook Lee, Pres.
Solvent cap. 300MT/day, storage cap. 551,175 bu., SAM YANG soy meal, mixed feeds, and crude degummed oil. Served by truck.

KUWAIT

KUWAIT FLOUR MILLS CO. S.A.K. (P R)
Jamal Abdulnasser St., P.O. Box 681 Safat, Ph. 841866; TLX:22209 KT (MATAHEN)
CONTACT PERSON: Aslam Abbasi, Prod. Mgr.
Solvent cap. 50T, storage cap. 12,000MT, soy meal, fully refined and hydrogenated oil, DALAL shortening and cooking oil. Served by truck and ship.*

LEBANON

SELAATA TERMINAL (P R)
Ste. Huiles et. Derives SAL, P.O. Box 644, Beirut, Ph. 221413; TLX: 20877 (LE).
CONTACT PERSON: Shehadeh Malouf, Mgr.
Solvent cap. 1,200T, storage cap. 30,000MT, soy meal, mixed feed, fully refined oil. Served by truck and ship.*

MALAYSIA

MALAYAN FLOUR MILLS BERHAD DINDINGS SOYA & MULTIFEEDS SDN. BERHAD (P)
Wisma MCA, 10th Fl., Jalan Ampang, Kuala Lumpur, Ph. 419066, 418344, or 418622; TLX: FLOUR MA30378; CABLE: FLOURMILL KUALA LUMPUR.*

PASIR GUDANG EDIBLE OILS SDN. BHD. (P R)
8th Floor, Wisma Misc., Jalan Conlay, Kuala Lumpur 04-09, Ph. 03-424077; TLX: 30322 (FEDMIL MA); Plant at: P.O. Box 80, Pasir Gudang, Kawasan Pelabuhan, Johor, Ph. 073-66011; TLX: 60678 (PGEOPG MA).
CONTACT PERSON: Kwok Kian Hai, Mgr.
Hexane solvent cap. 300MT/day, storage cap. 25,000MT. Soy meal, crude and fully refined oils. Served by truck and ship.*

SOON SOON OIL MILLS SDN BHD (P)
Plot 94, Prai Industrial Estate, Prai, Province Wellesley, Butterworth, Penang, Ph. (04) 348277; TLX: MA 40774 (SSOON).
CONTACT PERSON: Dr. Neoh Soon Bin, Mgr. Dir.
Solvent cap. 300MT/day, storage cap. 17,500 MT, soy meal, crude degummed oil. Served by truck and ship.*

MALTA

THE EDIBLE OIL REFINING CO. LTD. (R)
The Refinery, Mgieret Rd., P.O. Box 539, Marsa, Ph. 623613; TLX: 420MW (OIL REF).
CONTACT PERSON: J. Parnis England, Mgr. Dir.
Refining of vegetable oils and fats.*

MEXICO

ACEITE CASA S.A. (P)
Ave. Ceylan, No. 793, Col. Industrial Vellejo; TLX: 177-1716 (CASAME).
CONTACT PERSON: Ing. Enrico Cusi, owner
Exp. solv. (French) cap. 300MT.*

ACEITERA LA JUNTA S.A. (P)
Calzada Gobernador Curiel No. 4781, P.O. Box 9-3, Guadalajara, Jalisco, Ph. 12-65-46.
CONTACT PERSON: Julio Cesar Gomez
13 exp./screw press cap. 150T, solvent cap. 200T, storage cap. 40,000MT, soy meal, mixed feeds and pellets, crude and crude degummed oil, approx. soybean operations 25,000T-30,000T/year. Served by truck and rail.

ACEITERA MATAMOROS, S.A. DE C.V. (P IP)
Av. Uniones s/n, Zona Industrial, H. Matamoros, Tamaulipas, C.P. 87310, Ph. 891-3-89-42/43/59.
CONTACT PERSON: Lic. Pablo R.P. Garcia, Mgr.
Solvent cap. 300T, continuous press cap. 300T, storage cap. 30,000MT, crude and crude degummed oil. Served by truck and rail.*

ACEITERA TAPATIA S.A. (P)
Guadalajara, Jalisco.
CONTACT PERSON: Ing. Tomas Limon G., owner
Solvent cap 150T, continuous press cap. 200T, storage cap. 20,000MT soy meal, mixed feed, crude and crude degummed oil. Served by truck, rail and ship.*

ACEITES DEL MAYO S.A. (P)
KM. 1778 Carretera Guadalajara Nogales, Navojoa, Sonora, Ph. 2-34-34; TLX: 055626.
CONTACT PERSON: Ing. Ramon Ahumada, Gen Mgr.
Solvent ext. cap. 400MT/day, storage cap. 50,000MT, soy meal and crude oil. Served by truck and rail.*

ACEITES POLIMERIZADOS S.A. (P R SF IP)
Inguaran No. 5719, Mexico 14 DF, Ph. 577-39-23; Plant at: P.O. Box 14779, Calzada Inquaran 5737.
CONTACT PERSON: Lic. Mario Meraz, Mgr.
6 exp. cap. 70T, DeSmet solvent cap. 70T, storage cap. 560 bu., soy meal, soy flour, once refined, fully refined and hydrogenated oils, APOLO and CRISOL shortening and cooking/salad oil, soy fatty acid distillates cap. 2,000T/year, epoxidized soy oil cap. 2,000T/year. Served by truck and rail.

ACEITES Y DERIVADOS DEL PACIFICO, S.A. DE C.V. (P R IP)
Raul Garcia y Cia S.A., KM 2125, Apdo. 213, Hermosillo, Sonora, Ph. 422-15; TLX: 058-854; Office at: Ave. Ruiz Cortinex 257 Pte., Monterrey N.L.
CONTACT PERSON: Jose L. Aguilar, Gen. Mgr.
Solvent cap. 250T, continuous press cap. 250T, storage cap. 40,000MT. Soy meal, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.*

ANDERSON, CLAYTON & CO. (P)
Av. Vallarta, No. 6449, Guadalajara, Jalisco; TLX: 682736 (ACCOME); Plants at: Chavez, Coahuila and Empalme, Sonora.
CONTACT PERSON: Roberto Lerma, Plant Mgr.
Chavez Coahuila Plant: Exp. solvent cap. 200MT; Empalme, Sonora Plant: Exp. solvent cap. 420MT.

FABRICA DE ACEITES LA CENTRAL S.A. (P R SF)
Industrias Gonzalez, Escobedo Sur No. 740, Guadalajara, Jalisco, Ph. 35-00-46; TLX: 0681763.
CONTACT PERSON: Daniel Sada A., Mgr.
8 exp. cap. 400T, solvent cap. 500T, PASTA MEX soy meal and once refined soy oil. Served by rail.*

FABRICA DE JABON LA CORONA, S.A.
P.O. Box 14893, Carlos B. Zetina No. 80, Xalostoc, Edo. de Mexico, Ph. 569-27-00; TLX: 177-1949 COROME.
CONTACT PERSON: Antonio Gonzalez Mendoza, Pres.

FABRICA DE JABON LA CORONA S.A. DE C.V. (P R SF IP)
Apartado Postal 890, Zona Industrial No. 2, Ciudad Obregon, Sonora, 85000, Ph. 641-3-46-90; TLX: 552-839 (FJCOBR).
CONTACT PERSON: J.L. Lambarri, Local Mgr.
2 solvent cap. 300T, storage cap. 21,000MT, SOYARINA 50 soy meal, soy flour, crude, crude degummed, and once refined oils. Served by truck, rail and ship.*

GALLETERA MEXICANA S.A. (GAMESA) (P R SF IP)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Plng. Dir.
DeSmet solvent cap. 500T, press cap. 500T, storage cap. 60,000MT, soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oils, MANTECA CLARA shortening. Served by truck and rail.*

GRASAS Y VEGETALES, S.A. (P R IP)
Limon No. 1139, Col. del Fresno, Guadalajara, Jal., 44900, Ph. (36) 12-1980; TLX: 068-1708 GVSAME.

CONTACT PERSON: Jose Luis Velasquez Lopez, Biochem. Engr.
Solvent cap. 36T/day, cont. press cap. 10T/day, storage cap. 10,000MT, soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oils, shortening, cooking/salad oil. Served by truck and rail.

HIDROGENADORA NACIONAL S.A. (P)
Rio Lerma y Fulton, Tlanepantla.
CONTACT PERSON: Nicolas Xacur, Pres.
Exp. solvent cap. 250MT.

INDUSTRIAL ACEITERA S.A. (P R SF)
KM. 20½, Carretera, Cuautitlan, Apartado 182, Tlanepantla; TLX: 017-178656 IASAME.
CONTACT PERSON: Ing. Hector Garcia Padilla, Oper. Mgr.
4 exp. cap. 100T, DeSmet solvent cap. 200T, esp. solvent 350T, soy meal, crude degummed, fully refined and hydrogenated oil, XCOLON shortening, MARAVILLA, COLON, SORAYA cooking/salad oil. Served by truck and rail.*

INDUSTRIAL JABONERA LA ESPERANZA, S.A. (P R SF IP)
Valores Modernos SA, Fte. a la Estacion de los FFCC, Gomez Palacio, Durango, Ph. 4-1044; TLX: 032-877.
CONTACT PERSON: Aureliano Alatorre M., Mgr.
Lurgi solvent cap. 150T, storage cap. 740 bu., soy flour, soy meal, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.

INDUSTRIAS CONASUPO S.A. (P)
Gomez Palacio, Durango; TLX: 032626 (ICPGME); Main office: Mexico DF.
CONTACT PERSON: Ing. Miguel Cenicero Vazquez, Plant Mgr.
Exp. solvent cap. 300MT.

INDUSTRIAS CONASUPO S.A. (P R SF)
KM. 11½, Carretera San Luis, Mexicali, BC.
CONTACT PERSON: Eduado Bejarano, Tech. Supt.
Solvent cap. 400T, refinery 100MT, soy meal, crude, fully refined and hydrogenated oil, shortening and cooking/salad oil. Served by truck and rail.*

INDUSTRIAS CONASUPO S.A. (P)
Subsidiary of Compania Nacional de Subsistencias Populares, Rio Amazona, No. 62, Ph. 5358414; Plant at: Cuautitlan.
CONTACT PERSON: Francisco Aguilar, Pres.
French solvent ext. cap. 400MT.*

MOLINOS UNION DEL YAQUI S.A. DE CV (P)
Carretera Internacional, KM. 337, Ciudad Obregon, Sonora, Ph. 91-641-46030/46090; TLX: 552813 (MUYME).
CONTACT PERSON: Ing. Ramon Rivera, Mgr.
EMI solvent cap. 500MT, storage cap. 150,000MT, soy meal, crude and crude degummed oil. Served by truck and rail.*

LA PALMA S.A. (P)
Industrias Gonzales SA, Monterrey, NL, Sidar y Rovirosa, No. 158, Mexico 9 DF, Ph. 522-03-74.
CONTACT PERSON: Jesus Salenas, Mgr.
6 exp. cap. 250T, DeSmet solvent cap. 180T, storage cap. 365 bu.-440 bu., soy meal. Served by rail.

LA POLAR FABRICA DE ACEITE HIDROGENADO Y MANTECA VEGETAL, S.A. (P)
P.O. Box 71-134, Av. Manuel Gonzalez 165, Mexico 3, D.F., Ph. 583-40-22; TLX: 1772498 (POLAME).
Cap. 150MT/day. Refining cap. 300T/day.

PRODUCTOS ALIMENTICIOS DELICIAS, S.A. (P SF)
Apartado Postal 376, Zona Industrial Oriente, Cd. Delicias, Chih., Ph. 2-30-93.
CONTACT PERSON: Ing. Joaquin Ponce Aguirre, Gen. Mgr.
Ext. cooker, processing cap. 8T/day, storage cap. 1,000T, full-fat soy flour for human use. Served by rail.

RAUL GARCIA Y CIA., S.A. DE C.V. (P)
Av. Adolfo Ruiz Cortines, No. 257 Pte., Monterrey, Nuevo Leon, Ph. 51-57-00; TLX: 0382648.
CONTACT PERSON: Enrique R. Garcia, Mgr.
Exp. solvent cap. 700T, soy meal and crude oil. Served by truck and rail.*

MOROCCO

CIE MAROCAINE D'HUILERIE (C.M.H) (R)
425, Bd. Moulay Ismail, Casablanca, Ph. 24-50-61; TLX: 25901 (COMAHUIL).
CONTACT PERSON: Takali Tawfik, Gen. Mgr.
Soy oil cap. 12,000T.

LES HUILERIES DE MEKNES (R IP)
B.P. 2021 Sidi Said, Meknes, Ph. 05-314-82; TLX: 41034 (HUILMEK).
CONTACT PERSON: Eddaoudi Hassan, Mgr. Dir.
Fully refined oil. Served by truck.*

HUILERIES' DU SOUSS (R SF)
Quartier Anza, B.P. 135, Agadir, Ph. 08-23130; TLX: 81015.
CONTACT PERSON: Abdallah Bel Hassan, Dir. Gen.
Crude, crude degummed, once refined and fully refined oil, cooking/salad oil. Served by truck.*

LESIEUR (R)
1 Rue Caporal Corbi, Casablanca, Ph. 246636; TLX: 25674.
Oil refining, soy, olive, sunflower and rapeseed.*

OLEAGINEUX DU GHARB (R)
Rue 13, Quartier Industrial, Kenitra, Ph. 016-2466; TLX: 91923.
CONTACT PERSON: Anzemberger, Plant Mgr.
Soy oil cap. 18,000T/year, storage cap. 2,000T.

SIGOHARB (R)
B.P. 168, Quartier Industrial, Kenitra, Ph.

016-2738; TLX: 31720.
CONTACT PERSON: Mohaned Doghmani, Mgr.
Processing cap. 120,000T, degummed soy oil and soy meal.

SOCIETE D'EXPLOITATION DES PRODUITS OLEAGINEUX (SEPO) (P R IP)
2 Rue Du Caporal Corbia, Casablanca, RN, BP 3094 , Ph. 24-10-96; TLX: 25-076.
CONTACT PERSON: Mohamed Smires, Mgr.
6 screw press cap. 250T/day, DeSmet solvent cap. 200T/day, storage cap. 800,000 bu., soy meal 44% prot., soap 5,000T, soy meal and flour.

SOCIETE INDUSTRIELLE ET COMMERCIALE DES OLEAGINEUX (SICO) (P)
Ain Sebaa, B.P. 2544, KM 1,500, Route 110, Casablanca, Ph. 35 05 95; TLX: 26 905.
CONTACT PERSON: Said Oulhana Idrissi
Cap. 15,000T/year oil, 3,000 T/year soap.*

SOCIETE INDUSTRIELLE OLEICOLE DE FES (SIOF) (P)
29, Rue Pictet (Dokkarat), Fes, Ph. 06-259 52; TLX: 51 911.
CONTACT PERSON: Mohamed Lahbabi, Dir.
Cap. 50T oil, 12T soap and olive oil extraction.*

SOCIETE OLEICOLE DE MEKNNES (SOME) (R)
Quartier Sidi, BP 248, Meknnes, Ph. 05-30865.
CONTACT PERSON: Iahion Hamid, Gen. Mgr.
Oil refining 700T/year, general canning.

SOMATAZ (R)
Rue IBN Kayim, Dokkarat, Fes, Ph. 06-23512, TLX: 51928.
CONTACT PERSON: Tazi Mohamed El Hadi, Gen. Mgr.
Soy oil cap. 40T/shift.

STE. MAROCAINE POUR L'INDUSTRIE OLEICOLE (SOMIO) (R)
8 Rue Miara, Dokkarat, BP 256 Fes, Ph. 06-22251.
Soy oil cap. 40T/shift.

UNIGRAL CRISTAL (R IP)
10-14 Rue Mostapha El Maani, BP 253, Casablanca, Ph. 311176; TLX: 21063.
CONTACT PERSON: Hamdouch Mohamed, Gen. Mgr.
Fully refined oil and soap production cap. 60,000T/year.

NETHERLANDS

CARGILL B.V. (P R SF IP)
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Eef Paalvast, Merch. Mgr.
Solvent cap. 3,200MT, storage cap. 40,000MT, CARGILL soy meal, crude, crude degummed, once refined and fully refined oils. Served by truck, barge, ship and rail.*

CENTRAL SOYA UTRECHT B,V. (P)
Affiliate of Central Soya Inc.; Everard Meijsterlaan 3, Utrecht, Ph. 030-938141; TLX: 844-47479.
CONTACT PERSON: Arend Teygeler, Mgr.*

KONINKLIJKE BRINKERS MARGARINEFABRIEKEN B.V. (R)
Postbus 209, 2700 AE Zoetermeer, Ph. 079-319310; TLX: 31068.
Refining and hydrogenation of soy oil.

ROTTERDAMSCHE MARGARINE INDUSTRIE ROMI B.V. (R)
Postbus 20, 3130 AA Vlaardingen, Netherlands, Ph. (010) 340 311; TLX: 25770 ROMI NL.
CONTACT PERSON: D.M. Talmon
Fully refined and hydrogenated oil, margarine, shortening and cooking/salad oil. Served by truck and barge.*

SPEELMAN'S OLIEFABRIEKEN B.V. (P)
Delftweg 100, 3043 NA Rotterdam, Ph. 373011; TLX: 21264.
CONTACT PERSON: P. Van Der Wiel
Solvent cap. 450T.*

UNIMILLS B.V. (P SF IP)
Lindtsedijk 8, 3336 LE Zwijndrecht, Ph. 078-125144; TLX: 29031.
CONTACT PERSON: M.H. Van Mens, Mgr.
Solvent cap. 3,600T/day Europoort, storage cap. 19,500T, UNIMILLS soyameal, complete product range of lecithin for edible, technical and animal applications, soy protein concentrates. Served by lighters, barges and lorries.*

NORWAY

A/S DE-NO-FA OG LILLEBORG FABRIKER (P R IP)
Sandakerveien 56, Oslo, Ph. 22-00-50; TLX: 71181; Plant at: Fredrikstad.
CONTACT PERSON: Odd Bjornstad, Dept. Dir.
Lurgi solvent 900T, approx. soybean operations 250,000T/year, storage cap. 35,000MT, soy meal, crude, crude degummed, fully refined and hydrogenated oils. Served by truck and ship.*

RYTTERVIK FABRIKKER (P R)
Jens Hetland, Egersund, Ph. 491581; TLX: 33094.
CONTACT PERSON: Jonas Hetland, Plant Mgr.
Solvent cap. 400T, storage cap. 900,000 bu., soy meal and raw and refined soy oil.*

OMAN

AREEJ VEGETABLE OILS & DERIVATIVES LLC (R)
P.B. 6063, Ruwi, Ph. 703422; TLX: MB 3230 (LUJAINA)

CONTACT PERSON: Vikram Singh Tyagi, Comm. Mgr.
Fully refined and hydrogenated oil, cooking/salad oil. Served by truck and ship.*

PERU

COMPANIA OLEAGINOSA DEL PERU S.A. (P R SF)
Apartado 2965, Lima 1, Ph. 52-5570; Plant at: Av. Argentina, N° 5027, Callao.
CONTACT PERSON: Carlos Castro, Mgr. Dir.
4 exp./screw press cap. 220T, DeSmet solvent cap. 200T, storage cap. 20,000T, approx. soybean operations 15,000T/year, salad oils, shortening, margarine and raw material for mixed feeds.*

SINDI S.A. (P)
Av. Central 643-10° Piso, San Isidro, Lima, Ph. 415 283; TLX: 21187 (PE SINDI); Plant at: Amazonas S/N Piura.
CONTACT PERSON: Enrique Garcia Verano, Plant Mgr.
2 exp./screw press cap. 40T, solvent cap. 25T, storage cap. 5,700T.*

UNION COMERCIAL INDUSTRIAL S.A. (R)
Piura, Ph. (044) 322041.
CONTACT PERSON: Eduardo E. Palma L., Gen. Mgr.
Fully refined oil. Served by truck and ship.

PHILIPPINES

UNIVERSAL ROBINA CORP. (P R SF IP)
E. Rodriguez Ave., Bagong Ilog, Pasig, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Solvent hexane cap. 120T-150T, storage cap. 23,000MT, STARFEEDS 555 mixed feeds and pellets, meal, crude and fully refined oils, approx. soybean operations 80%, 2,000T/month. Served by truck and barge.

PORTUGAL

IBEROL SOC. IBERICA DE OLEAGINOSAS SARL (P R)
Av. Frei Miguel Contreiras, 54-A-3°, P.O. Box 5109, 1702 Lisbon Codex, Ph. 888176; TLX: 12422 (IBEROL); Plant at: Alhandra, Ph. 2501921.
CONTACT PERSON: Mario B. Pimentel, Mgr.
DeSmet solvent, Iberol 44% and 50% soy meal and soy oil. Served by rail.*

TAGOL, COMPANHIA DE OLEAGINOSAS DO TEJO SARL (P SF)
Av. Republica 44-7°, 1000 Lisbon, Ph. 767521/2; TLX: 14187 (TAGOL P); Plant at: Palenca de Baixo-Almada, Ph. 767521/2.
CONTACT PERSON: Manuel Mourao, Dir.
Solvent cap. 2,000MT, storage cap. 42,000MT, TAGOL soy meal, crude degummed oil, Sol mixed feeds, Tagol soy flour. Served by truck, barge and ship.*

SCOTLAND

FOODS & FEEDS U.K. LIMITED (P)
King George V. Dock, Shieldhall, Glasgow, Ph. (041) 445 3864/041 445 4517; TLX: 776174 (FDSFDS G).
CONTACT PERSON: B.P. Agrawalla, Mgr. Dir.
Solvent cap. 500T/day, continuous press cap. 650T/day, storage cap. 39,000T, soy meal, pellets, crude and crude degummed oil. Served by truck, rail, barge and ship.*

SOUTH AFRICA

S.A. OIL MILLS (PTY) LTD. (P SF)
Subsidiary of Tiger Oats & National Milling Co. Ltd., Main Reef Rd., Randfontein, Transvaal 1760, Ph. 011-6921720; TLX: 8-7825.
Soy oil expressing and extraction.

SPAIN

ACEITES Y PROTEINAS S.A. ACEPROSA (P R SF)
Repelega, Portugaleta, Vizcaya, Ph. 94-425-45-00; TLX: 32753.
CONTACT PERSON: Fernando De Diego, Mgr.
Press cap. 300T, hexane solvent cap. 1,800T, refinery cap. 250T, storage cap. 1,500,000 bu., ACEPROSA soy meal, EMULSOY 200 mesh soy flour, ACEPROSA lecithin, refined oil. Served by rail.*

ACEITES VEGETALES S.A. (ACEVESA) (P)
Caracas 23, Madrid 4, Ph. 419-55-12; TLX: 27269; Plant at: Cartagena, Murcia.
CONTACT PERSON: D. Antonio Contreras Gongora, Plant Mgr.
Hexane solvent cap. 700T, storage cap. 400,000 bu., ACEVESA soy meal.*

ARLESA (P R SF)
Castell de Pop, 33 Nazaret, Valencia 11, Ph. 23-12-78; Main office: Paseo de la Castellana, 143, Madrid 16, Ph. 279-63-00.
CONTACT PERSON: Ricardo Ribes
DeSmet solvent cap. 765T, storage cap. 924,000 bu., soy meal, soy oil and lecithin.*

ARLESA-EXISA (P R SF)
Carretera del Copero SN Punta del Verde, Sevilla, Ph. 61-02-00; TLX: 27784.

Solvent cap. 400T, storage cap. 590,000 bu., soy meal and soy oil. Served by truck and ship.*

ARLESA-EXTRASUR (P SF)
Carretera del Copero SN Punta del Verde, Sevilla, Ph. 69-04-58; TLX: 27784.
Krupp solvent cap. 350T, storage cap. 300,000 bu., soy flour. Served by truck and ship.*

COMPANIA INDUSTRIAL Y DE ABASTECIMIENTOS S.A. (CINDASA) (P R SF)
Affiliate of Cargill Inc., Avda. de los Madronos, No. 31, Madrid 33; TLX: 44374 (CIND E); Plants at: Muelle Transversal-Tarragona and Muelle Alvarez de la Campa-Barcelona.
CONTACT PERSON: Javier Losantos, Undergen. Mgr.
Crushing cap. 3,000MT, storage cap. 3,000,000 bu., crude, crude degummed and fully refined edible soy meal and oil, CINDO-AMPUR cooking/salad oil. Served by truck, rail and ship.*

KELSA S.A. (P SF)
El Burgo, La Coruna, Ph. 66.11.50; TLX: 82142.
CONTACT PERSON: Ramon Pitarque Gorospe, Plant Mgr.
Cap. 1,100T/day, refinery cap. 150MT, storage cap. 1,500,000 bu., soy meal, lecithin, crude and refined soy oil. Served by rail.*

OLEAGINOSAS ESPANOLAS, S.A. (OESA) (P)
Nunez de Balboa, 108, Madrid-6, Ph. (91) 411-46-13; TLX: 45302 (OLEAE).
CONTACT PERSON: Jose Urbelz, Mgr.
Solvent cap. 2,500MT, storage cap. 40,000MT, soy meal, pellets, lecithin and crude degummed oil. Served by truck, rail and ship.*

SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMAS) (P)
Paseo de Recoletos, 16-7°, Madrid 1, Ph. (91) 435.34.00; TLX: 27216; Plant at: Pontejos, Santander, Ph. (942) 50.22.11; TLX: 35860.
CONTACT PERSON: Alfredo Gonzalez, VP
3 exp./screw press cap. 240T/day, DeSmet solvent cap. 2,000T/day, storage cap. 2,000,000 bu., PROTESOYA and SUPERSOYA soy meal.*

SWEDEN

MARGARINBOLAGET AB (R)
Box 30025, S-104 25 Stockholm, Ph. 08-54-13-60; TLX: 195-71 (MARG S); CABLE: MARGARIN STOCKHOLM.
CONTACT PERSON: Lars Edstrom*

SWITZERLAND

FLORIN LTD. OIL & FATWORKS (P)
Hofackerstrasse 54, CH-4132 Muttenz, Ph. 061-61-01-01; TLX: 62436; Plant at: Basel.
CONTACT PERSON: R. Florin
Exp. cap. 80T, storage cap. 2,000T, FLORIN soy meal. Served by rail.*

OLEIFICIO SABO (P R)
P.O. Box 3327, 6901 Lugano, Ph. 091 23.44.61; TLX: 79.453 (SABO CH).
CONTACT PERSON: Giancarlo Bordoni, Gen. Mgr.
Soy meal, pellets, crude, crude degummed, once refined and fully refined oil. Served by rail and ship.*

SAIS (P)
Affiliate of Unilever NV Rotterdam; Forrlibuckstrasse 10, CH-8031 Zurich; Plant at: 9326 Horn, Ph. 01-44-44-71.
CONTACT PERSON: Dr. W. Helti, Chrmn.
Exp./solvent cap. 300T, storage cap. 800,000 bu. Served by rail.*

TAIWAN

ALL SINCERE INDUSTRIAL CO. LTD. (P R SF)
38 Chung Shan Rd., Luchu, Kaohsiung, 821, Ph. 064-862201; Office at: 11th Floor, 27, Sec. 1, Changan E. Rd., P.O. Box 1851, Taipei, Ph. 02-394-5147.
CONTACT PERSON: C.H. Tsai, Pres.
Exp. cap. 25T/day, solvent cap. 300T/day, storage cap. 40,000T, YUAN PAO feeds, soy meal, salad oil, corn oil and grits, swines and canned foods.*

CHIA FHA INDUSTRY CO. LTD. (P R SF)
29 Tattung St., Shalu, Taichung, Ph. 046-223221; Plant at: 1 Chunlin Rd., Erchiao Village, Hsiaokang, Kaohsiung, Ph. 07-8219571.
CONTACT PERSON: Yau-Kuen Hung, Board Dir.
Solvent cap. 120T, continuous press cap. 600T, storage cap. 20,000T, FUSHOU soy meal, cake, mixed feeds, once refined and fully refined soy oils, salad and safflower oil. Served by truck.*

CHIA HSIN FLOUR, FEED & VEG. OIL CORP. (P R SF)
1-teh Li, Peitou, Taipei, Ph. 02-8912253; Office at: 6th Floor, 219 Sec. 4, Chunghsiao E. Road, Ph. 02-7525320.
CONTACT PERSON: S.C. Wang, VP
Solvent cap. 300MT, storage cap. 50,000MT, CHIA HSIN soy meal, mixed feeds and pellets, CHIA HSIN salad oil, swines, and soy oil, wheat flour milling. Served by rail.*

CHUAN YUAN OIL MILL CO. LTD. (P R SF)
117 Hweilai St., Yuanlin, Chang Hwa, Yanlin 510, Ph. 048-323464.
CONTACT PERSON: S.F. Liang, Oil & Meal Sales Mgr.
Solvent cap. 450T, storage cap. 7,000T, YUAN CHUAN soy meal, mayonnaise, refined soy oil and CHUAN YUAN salad oil and mixed feeds, approx. soybean operations 96%.*

EAGLE FOOD INDUSTRY CORP. (P R SF)
427 Chen Kong Rd., Shanhua, Tainan Hsien, Shanhua 741, Ph. 064-838201; Office at: 12th Floor, 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7811161-69.
CONTACT PERSON: I.C. Soo, Plant Mgr.
Solvent cap. 350T, storage cap. 20,000MT, EAGLE soy salad oil, soy meal, once refined and fully refined soy oil. Served by truck and rail.*

GREAT WALL ENTERPRISES CO. LTD. (P R SF)
Tainan, Yungkang 711, Ph. 062-531111-0; Office at: 8th Floor, 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7315761-5.
CONTACT PERSON: Y.C. Lin, R&D Mgr.
Solvent ext. cap. 300T, storage cap. 15,000MT, FONG NANG soy meal, FU-NONG mixed and pellet feeds, crude and fully refined soy oil, GREAT WALL salad oil, lecithin, wheat flours, chinese noodles. Served by truck and rail.*

HSIAOKANG SUGAR MILLS TSC (P R SF)
133 Hsiaokang Rd., Kaohsiung 800, Ph. 07-8214160; Office at: 25 Paoching Rd., Taipei, Ph. 02-3110521.
CONTACT PERSON: S.N. Wu, Plant Mgr.
Solvent cap. 340T, storage cap. 22,000T, CAHHO soy meal, fully refined and hydrogenated oils, and TAITANG salad oil. Served by truck.*

HUIE SHENG OIL MILL CO. LTD. (P R SF)
618 Fwanchiu Rd., Kaohsiung, Luchu 821, Ph. 064-863-311; Office at: 5F, 21 Sec.1, Changan E. Rd., Taipei, Ph. 02-581-1515.
CONTACT PERSON: S.C. Wang, Plant Mgr.
Solvent cap. 300T, storage cap. 18,000T, SHENG-LI soy meal and oil, salad oil, commercial lecithin and mixed feeds, swines. Served by rail.*

PRESIDENT ENTERPRISES CORP. (P R SF)
2-20 Yan Harng, Yangkang, Tainan, Yungkang 711, Ph. 062-532121; Office at: 5th Floor, 66-1 Sec. 1, Chungking S. Rd., Ph. 02-3317571.
CONTACT PERSON: M.T. Chiu, VP
Solvent cap. 300MT, storage cap. 45,000T, TUNGYI salad oil, soy oil and meal, pellets and mixed feeds, crude, crude degummed, once refined, fully refined and hydrogenated oil, commercial lecithin, shortening, margarines, sesame oil, soy sauce, soy milk, canned foods, swines, dairy products, wheat flour, chinese noodles and breads. Served by truck and ship.*

TAI HWA OIL INDUSTRIAL CO. LTD. (P R SF)
235 Minchu 1st Rd., San-Ming District,Kaohsiung 800, Ph. 07-3823366; Office at: 37 Lane 67, Linsheng N. Rd., Taipei, Ph. 02-5110121.
CONTACT PERSON: Y.P. Chen, Plant Mgr.
Solvent cap. 200MT, storage cap. 20,000MT, CHING-LU soy meal, fully refined oil and GOLD brand soy cooking/salad oil and safflower oil.*

TAY SHAN ENTERPRISE CO. LTD. (P R SF)
No. 501, Sec. 2, Fuchiung Rd., Yuanlin, Chang Hwa, Ph. 048-322122; Plant at: Tienchung; Office at: 14th Floor, 178 Sec. 2, Nanking E. Rd., Taipei, Ph. 02-5214152.
CONTACT PERSON: J.T. Chan, Pres.
Solvent cap. 500T, storage cap. 15,000T, TAY SHAN soy meal, mixed feeds, TAY SHAN salad oil. Served by truck.*

THAILAND

INDUSTRIAL ENTERPRISES CO. LTD. (P R SF IP)
179 Surawongse Rd., Bangkok, Ph. 2354855-9; Plant at: 39-6 Tivanon Rd., Pak Kret, Nonthaburi, Ph. 5884147.
CONTACT PERSON: Viraj Sasivongbhakdi, Dep. Mgr. Dir.
Solvent cap. 600T/day, storage cap. 60,000T, pellets, soy meal, crude, crude degummed and fully refined oils, TIP cooking/salad oil, soaps. Served by truck, barge and ship.*

NAKORNCHAISRI OIL INDUSTRIAL CO. LTD. (P R IP)
829-835 Opp. Talad Plu Railway Station, Dhonburi, Bangkok, 465-0659, 466-0529, 466-1014
CONTACT PERSON: Vichit Vitayathanagorn, Mgr. Dir.
Solvent cap. 150T/day, storage cap. 12,000MT-15,000MT, soy meal, crude, crude degummed, once refined and fully refined oils, GRAPE cooking/salad oil. Served by truck and barge.*

THAI THEPAROS FACTORY ROP. (P SF)
206 Moo 6, Taiban Rd., Samutpragarn, Ph. 3950177.
CONTACT PERSON: Somsakdi Vacharothayangul, Factory Mgr.
5 exp./screw press cap. 20T/day, storage cap. 750T, crude oil and soy sauce. Served by truck.

THANAKORN VEGETABLE OIL PRODUCTS CO. LTD. (P)
P.O. Box 13-5, Phra Pradaeng, Bangkok 13, Ph. 462-5905; Plant at 99 Soi Thanakorn, Phra Samut Jedi Rd., Samut Prakarn.
CONTACT PERSON: Vibul Sarakitpricha, Pres.
Solvent cap. 400T, storage cap. 60,000T, pellets, approx. soybean operation 120,000T/year.*

TUNISIA

AFRICA SARL (R)
Rte. de Monastir, Sousse, Ph. 20-774; CABLE: AFRICA SOUSSE USINE.
Soy oil refining.

COMMERCIALE ET INDUSTRIELLE SARL (R)
Rte. de Monastir, Sousse, Ph. 21-867; CABLE:

SOHACI SOUSSE USINE.
Soy oil refining.

COOP. AGRICOLE ET INDUSTRIELLE ZOUILA (R)
Ave. Parnet Hached, Mahdia, Ph. 81-584; CABLE: ZOULICAOP.
Soy oil refining.

COOP. OLEICOLE TNE. (R)
Rte. de Monastir, Sousse, Ph. 20-387.
Soy oil refining.

SATHOP (R)
Plage Poudriere, Sfax.
Soy oil refining.

SAVONNERIE AFRICAINE S.A. (R)
Rte. de Sousse, KM. 5-8, Tunis, Ph. 295-503; TLX: 12-548 (USINE).
Soy oil refining.

SIOS-ZITEX (R)
Route de Gabes, SFAX.
Soy oil refining.

SMOILIVE (R)
Route de Gabes, SFAX.
Soy oil refining.

STE. MONASTIRIENNE (R)
Rue du Port, Monastir, Ph. 61-379.
Soy oil refining.

STE. MONCEF ABDELMAOULA (R)
Rte. du Kef, Den-Den, Tunis, Ph. 210-008.
Soy oil refining.

STE. STARHUIL (R)
Jebel Jelloud, Tunis, Ph. 491-684.
Soy oil refining.

TURKEY

SUMERBANK ORDU SOYA SANAYII MUESSESESI (P R SF IP)
Affiliate of Sumerbank, Ordu, Ph. 1420; TLX: 82168 (SUSO TR).
CONTACT PERSON: Zafer Albayrak, Plant Supt.
Solvent cap. .8T/day, storage cap. 10,000T, soy meal, crude oil, SUMERBANK soy oil, soy flour and raw lecithin.*

UNITED ARAB EMIRATES

UNITED FOODS LIMITED (R)
Al-Owais Building, 104 Flat, Naser Square, P.O. Box 5503, Deira, Dubai, Ph. 9714-223214/5/6; TLX: 46689 (VEGOIL EM).
CONTACT PERSON: Naseem Husain, Mgr. Plng.
Crude degummed oil, ASEEL shortening, MUMTAZ cooking/salad oil. Served by truck.*

VENEZUELA

COROIL, C.A. (R)
Avenida Lisboa, Quinta Costa Brava La California Norte, Caracas, Miranda, 61313, Ph. (58) 21-52-24 or 2 -84-35; TLX: 24946 Coroi VC.
CONTACT PERSON: Antonio Navarro Mendez, Pres.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oils; margarine; shortening; and cooking/salad oil. Served by truck, rail and ship.

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA) (P R SF IP)
Protinal CA, P.O. Box 83, Valencia, Ph. 34 20 11; Plant at: El Morro, Valencia.
CONTACT PERSON: Ing. Omar Hernandez
Solvent cap. 180T/day, storage cap. 420,000 bu., PROTINAL soy meal, mixed feeds, SOYARINA soy flour, crude, once refined and fully refined oils, industrial lecithin, industrial soy flour, industrial soy oil, approx. soybean operations 45,000T/year. Served by truck.*

C.A. FACEGRA (P R SF)
Av. Navas Spinola, c/c Farriar-Apdo. No. 1, Valencia, Carabobo, Ph. (045) 71.13.30, 71.11.27, 71.11.52 or 71.48.70; TLX: 41171.
CONTACT PERSON: Saul Hernandez Yanez, Gen. Plant Mgr.
Solvent cap. 170T/day, storage cap. 20,000MT; crude, crude degummed, once refined, fully refined and hydrogenated oils; ACEITE EL REY cooking/salad oil. Served by truck.*

C.A. GRASAS DE VALENCIA (P)
Av. Henry Ford, Zona Industrial Sur., Valencia, Ph. 332022; TLX: 41352.
CONTACT PERSON: Julio Martinez, Plant Mgr.
Solvent cap. 250T.

LAS LLAVES S.A. (P R)
Avenida Principal Los Cortijos de Lourdes, Caracas, Ph. 34-31-31; TLX: 42-480 (LLAVE);Plant at: Avenida La Paz, Puerto Cabello.
CONTACT PERSON: Anibal Rojas, Dir.
Solvent cap. 150T, storage cap. 30,000bu., LAS LLAVES soy meal, hydrogenated and fractionated oils, MAVESA and NELLY margarine, LA CAMPANA shortening, VATEL and NELEITE cooking/salad oil, approx. soybean operations 10,000T. Served by truck.

ZIBABWE

BLUE RIBBON FOODS LTD. (P)
United Refineries Div., P.O. Box 873, Bulawayo, Ph. 68531; TLX: 3347 (RH).
CONTACT PERSON: N. Stacey, Plant Mgr.
5 exp./screw press cap. 165T/day, Extractotechnics solvent cap. 175T/day, storage cap. 16,000T, soy meal, WIGHTMANS mixed feeds and pellets. Served by rail.

soyfoods manufacturers

*Updated listing of non-U.S. firm

BREAKFAST FOODS, DESSERTS & SNACKS

UNITED STATES

BEST FOODS DIV.
CPC INTERNATIONAL INC.
International Plaza, Englewood Cliffs, NJ 07632, Ph. 201-894-4000; Plants at: San Francisco and Santa Fe Springs, CA; Chicago, IL; Bayonne, NJ.
Frozen desserts.

MRS. CHENG'S SOYBEAN PRODUCT INC.
1829 E. Palolo Ave., Honolulu, HI 96816, Ph. 808- 737-5751.
CONTACT PERSON: Hui Chen Cheng, Pres.
MRS. CHENG'S breakfast foods, desserts and snacks.

DURKEE FOODS DIV., SCM CORP.
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-771-5121; Refineries at: Chicago and Joliet, IL.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
KAOLA, WHITE CREST and POLYPLUS D frozen desserts.

EDIBLE SOY PRODUCTS, INC.
7th and Hwy. 63, Hudson, IA 50643, Ph. 319-988-3221.
CONTACT PERSON: Miller Rowe
PRO-NUTS roasted soybean snacks.

FEARN SOYA FOODS
DIV. OF RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
FEARN'S wheat cereal and soy.

GLOBAL NUTRAMEAL, INC.
R.R., Box 6122, Spirit Lake, IA 51360, Ph 712-337-3376.
CONTACT PERSON: Kirk Strauss, Pres.
NUTRAMEAL nutritional food.

INARI, LTD.
2331 Forest Rd., Lansing, MI 48910, Ph. 517-882-3323; TLX: 229-440 (MICH AGRI LSG).
CONTACT PERSON: Leonard Stuttman, Pres.
SUPER SOYNUTS (roasted), SUPER SOY-PRIZES (candied soynuts).

NABISCO FOODS INC.
Biscuit Div., East Hanover, NJ 07936, Ph. 201-884-0500.
Cookies, crackers and snacks.

NORTH AMERICAN
LABORATORY CO. INC.
1717 W. 10th St., Indianapolis, IN 46222, Ph. 317- 635-9500.
CONTACT PERSON: Dr. K. Hyder, Dir. Mktg.
Artificial bacon bits.

QUONG HOP & CO.
161 Beacon St., South San Francisco, CA 94080, Ph. 415-952-TOFU.
CONTACT PERSON: Jim Miller, Mktg. & Sales
NEW LEAF quality soyfoods.

WORTHINGTON FOODS, INC.
900 Proprietors Rd., Worthington, OH 43085, Ph. 614-885-9511.
CONTACT PERSON: Frank Poston, Mktg. Dir.

WY KY INC.
235-237 San Fernando Rd., Los Angeles, CA 90031, Ph. 213-222-0779.
CONTACT PERSON: William Lee, Pres.
WY KY breakfast foods, desserts and snacks.

BRAZIL

MINASA
Caixa Postal 1101, Campinas, S.P. 13.100, Ph. (0192) 42-1966; TLX: 019-1043 (MINABR); Other locations: Araraquara, S.P.; Arapongas, P.R.; Itumbiara, G.O.
CONTACT PERSON: John B. Sieh, Gen. Mgr.
Breakfast foods, desserts and snacks.*

CHILE

ALIMENTOS PROTEICOS LTDA.
Los Tres Antonios 36 - Nunoa, Santiago, Ph. 2252503-42918.
CONTACT PERSON: Ruperto Cabello, Prod. Mgr.
Breakfast foods.

INDUSTRIAS PRODUCTOS ALIMENTICIOS S.A.
Sta. Elena 1970, Santiago, Ph. 569029.
CONTACT PERSON: Juan A.R. Gormaz, Gen. Mgr.
IPAL breakfast foods, desserts and snacks.*

ECUADOR

PHIDAYGESA
Km. 16½, Via a Daule, Guayaquil, Ph. 351555; TLX: 04-3506.
CONTACT PERSON: Emilio Baquerizo V., Pres.
UNICA, BRILLANTE, ASTRA, ESPECIAL breakfast food, desserts, snacks.*

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Devendra Kumar Agrawal
Breakfast foods, desserts and snacks.

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE breakfast foods, desserts and snacks.*

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Breakfast foods, desserts and snacks.*

MEXICO

ALIMENTOS COLPAC
KM 13 Carratera Huatabampo, Apartado No. 502, Navojoa, Sonora, Ph. 2-4130.
CONTACT PERSON: Ing. Filiberto Verduzco, Mgr.
TRISOY cereal.*

FABRICA DE ACEITES LA CENTRAL S.A.
Industrias Gonzalez, Escobedo Sur No. 740, Guadalajara, Jalisco, Ph. 35-00-46; TLX: 0681763.
CONTACT PERSON: Daniel Sada A., Mgr.*

PHILIPPINES

UNIVERSAL ROBINA CORPORATION
E. Rodrigues Ave., Bagong Ilog, Pasig, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Breakfast foods, desserts and snacks.

LECITHIN

UNITED STATES

AMERICAN LECITHIN CO. INC.
32-34 61st St., Woodside, L.I., NY 11377, Ph. 212-274-4350; TLX: 26318.
CONTACT PERSON: M. Gillio, Exec. VP
Soybean lecithins and derivatives, lecithinated flours, and dietary supplements based on lecithin.

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5850.
CONTACT PERSON: Robert Sullenberger, VP, Soy Spec. Div.
Manufacturer of lecithin products for edible and industrial trade.

CENTRAL SOYA
Chemurgy Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5181; TLX: 276170 (CEN-SOYA FWA A).
CONTACT PERSON: Willis Clark, Gen. Mgr.
A complete line of CENTROL, ACTIFLO, CENTROPHIL, CENTROLENE, CENTROLEX, CENTROMIX, CENTROPHASE, CENTROCAP, and RG lecithin products for the edible, industrial and pharmaceutical fields. Natural, modified and oil-free lecithin.

W.A. CLEARY CORP.
(CLEARY TRADING CORP.)
1049 Somerset St., Somerset, NJ 08873, Ph. 201-247-8000.
CONTACT PERSON: Margaret A. Cleary
Manufacturer of purified, crude and water soluble soy lecithin.

FEARN SOYA FOODS,
DIV. OF RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
FEARN'S liquid and mint flavor liquid lecithin.

FOOD TECHNOLOGY PRODUCTS
5903 Northwest Hwy., Chicago, IL 60631, Ph. 312-631-4545.
CONTACT PERSON: Gloria Anderson, S. Mgr.
Hydroxylated lecithin for baked, dairy and confectionery foods. Research and development.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56002, Ph. 507-625-7911.
CONTACT PERSON: Dave Schos'ag
Fluid and plastic grades of lecithin.

LEEDS LABORATORIES LTD.
1643 E. Genesee St., P.O. Box 6048, Syracuse, NY 13217, Ph. 315-475-1671.
CONTACT PERSON: Peter H. Mylon, VP
Lecithin granules and capsules.

LUCAS MEYER INC.
Div. of Lucas Meyer Hamburg, 765 E. Pythian Ave., Decatur, IL 62526, Ph. 217-875-3660; TLX: 40-4387.
Soy lecithin in modified and deoiled grades for food, dairy, industrial and pharmaceutical applications.

RICELAND FOODS
Main office: 2120 S. Park Ave., P.O. Box 926 Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Lecithin.

ROSS & ROWE
Div. of Archer Daniels Midland Co., P.O. Box 1409, Decatur, IL 62525, Ph. 217-424-5804; Other location: 554 S. Front St., Elizabeth, NJ 07202.
CONTACT PERSON: Lynn Adolphson, Gen. Mgr.
Manufacturer of the complete line of YELKIN lecithin products.

A.E. STALEY MFG. CO.
Lecithin Dept., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Lecithin for chocolate, margarine, baking and other food and feed uses. STSSOL "R" water dispersible lecithin, bleached and unbleached fluid grades.

BRAZIL

FAROL S.A.-IND. GAUCHA DE FARELOS E OLEOS
Avenida Borges de Medeiros 659-12th Flr., Porto Alegre, 90000, Ph. (512) 33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Lecithin.*

S/A MOINHOS RIO GRANDENSES (SAMRIG)
Rua de Coneicao, 195, Porto Alegre, RS, Ph. 24-1033; 24-1922; TLX: 028778 (SAMRIG PAE).
LECSAM lecithin.*

CANADA

CANADA PACKERS INC. CHEMICAL DIV.
95 St. Clair Ave. W., Toronto, Ont. M4V 1P2, Ph. 416-766-4311.
CONTACT PERSON: L.R.L. Symmes, Gen. Mgr.
Lecithin.*

CANADIAN VEGETABLE OIL PROCESSING
Div. Canada Packers Inc., Victoria Ave. & Burlington St., Hamilton, Ontario, Ph. 416-527-9121; TLX: 061-8315.
CONTACT PERSON: George Vinall, Gen. Mgr.
Lecithin - C.V.O.P.*

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Windsor, Ontario.
CONTACT PERSON: W.G. Milliken, Chrmn.
Lecithin.*

COLOMBIA

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS)
Aceites Del Tolima S.A., Carretera del Sur 57-21, Bogota, Ph. 30-50-55; TLX: 41368.
CONTACT PRSON: Guillermo Espinoso Soto, Gen. Mgr.
Lecithin.*

GRASAS S.A.
Calle 11, No. 18-113, Apartado Aereo 85, Buga-Valle, Ph. 2021; TLX: 05866.
CONTACT PERSON: Alberto Angel Leon, Pres.
LAGARZA lecithin.*

LLOREDA GRASAS S.A.
Autopista Cali Yumbo Kilometro 3, Ph. 68211119; TLX: 055-711 (LLOGR CO).
CONTACT PERSON: Guillermo Baron, S. Mgr.
LLOREDA lecithin.*

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 ONJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
Lecithin.*

FEDERAL REPUBLIC OF GERMANY

LUCAS MEYER GmbH
Ausschlaeger Elbdeich 62, 2000 Hamburg 28, Ph. 781701.
Edible lecithin and lecithin products for the food and pharmaceutical industry. Fluid, deoiled and fractionated grades.*

NATTERMANN CHEMIE GmbH
Nattermannallee 1, D-5000 Koln 30, Ph. 509-1; TLX: 8881928.
A complete line of lecithin products; Natural, modified, fractionated and oil-free lecithin.*

O. & L. SELS KG
Duesseldorfer Str. 101, D-4040 Neuss/Rhein, Ph. 02101/24054; TLX: 8517835 sels d.
Lecithin.

OELMUEHLE HAMBURG AG
P.O. Box 930 320, KohlbrandstraBe 1, D-2102 Hamburg 93, Ph. 75-19-41; TLX: 02-163537.
CONTACT PERSON: A.V. Wissel, VP
Lecithin.*

STERN-LECITHIN GmbH
An der Alster 81, D-2000 Hamburg 1, Ph. 040/24 64 51-53; TLX: 02 162 052 star d.
Oil-free granular lecithin in 225-gram cans.

C. THYWISSEN
Industriestrasse 33, Postfach 71, D-4040 Neuss, Ph. 02101/26041; TLX: 08517803.
CONTACT PERSON: Josef Richter, Plant Mgr.
Lecithin.*

UNIMILLS VERTRIEBSGESELLSCHAFT FUR ERNAHRUNGSFETTE
Ole und Futtermittel mbH, Dammtorwall 15, Unileverhaus, Box 101509, Ph. 040- 34901; TLX: 214571 (UMIL D).
BOLEC lecithins, complete line.*

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
Lecithin.*

HAITI

SODEXOL S.A.M.
P.O. Box 13460, Delmas, Port au Prince, Ph. 2-4885, 2-4886; TLX: 2030171 (ACIERIE).
CONTACT PERSON: Eliezer Bashan
Lecithin.*

INDIA

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Lecithin.

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE lecithin.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Lecithin.*

ISRAEL

ETZ HAZAITH LTD.
P.O. Box 193, Petah-Tikva, Ph. 927171; TLX: 341859; Plant at: Kiryat Aryeh, Petah-Tikva.
Lecithin.*

OLIVEX LTD.
25 Rothschild Blvd., P.O. Box 1498, 61014 Tel-Aviv, Ph. 614451; CABLE: EXOLIV; Plant at: Petah Tiqua.
CONTACT PERSON: Dr. Wolf Cegla, Dr. Uriel G. Cegla or Ronit Silon
Lecithin.*

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Ph. 04-670491; TLX: 46776 (KFood IL).
CONTACT PERSON: Yaacov Shefy, Mgr.
Lecithin.*

ITALY

GIACOMO COSTA FU ANDREA S.p.A.
Via Gabriele d'Annunzio 2, Genova, Ph. 010-54831; TLX: 270068 (COSTA I); Plant at: Vignole Borbera (Alessandria).
CONTACT PERSON: Lorenzo Costa
Lecithin.*

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I. Plants at: Aprilia, Latina; Porto Corsini, Ravenna; Porto Marghera, Venice.
LECITOIL soy lecithin.*

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA
Via L da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Lecithin.*

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Lecithin.*

S.I.O. MODENA S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I).
CONTACT PERSON: Giancarlo Zelocchi, Mgr. Dir.
Lecithin.*

JAPAN

AJINOMOTO CO. INC.
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo, Ph. 272-1111.
CONTACT PERSON: N. Mizoguchi, Plant Mgr.
Lecithin.*

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3, Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511; Plants at: Shimizu; Kobe.
Lecithin.*

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO lecithin.

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923; Plants at: Yokohama and Kobe.
CONTACT PERSON: T. Okumori, Plant Mgr.
NISSHIN lecithin.*

SHOWA SANGYO CO. LTD.
2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo 101, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
SHOWA lecithin.

TOYO OIL MILLS CO. INC.
Subsidiary of Ajinomoto Co. Inc., Tokyo; 230 Shinminato, Chiba-Shi 260, Ph. 0472-41-1251.
CONTACT PERSON: N. Tachikawa, Supt.
Lecithin.*

KOREA

CHEIL SUGAR CO. LTD.
23rd Flr., Samsung Main Bldg. 250, 2-KA, Taepyung-Ro, Chung-Ku, Seoul, Ph. 28-7533; TLX: K23762.
CONTACT PERSON: M.Y. Yoo, Plant Mgr.
WHITE SNOW lecithin.*

MEXICO

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Planning Dir.
Lecithin.*

NETHERLANDS

NITICEL B.V.
Sluisstraat 57, P.O. Box 16, Musselkanaal, Ph. 05994 6599; TLX: 53220 tenka nl.
CONTACT PERSON: A. Grooten, Dir.
Lecithin.*

UNIMILLS B.V.
Lindtsedijk 8, 3336 LE Zwijndrecht, Ph. 078-125144; TLX: 29031 (UMIL NL).
BOLEC lecithin, complete product range.*

PHILIPPINES

UNIVERSAL ROBINA CORPORATION
E. Rodrigues Ave., Bagong Ilog, Pasig, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Lecithin.

SPAIN

ACEITES Y PROTEINAS S.A. (ACEPROSA)
Repelega, Portugalete (Vizcaya), Ph. 94-425-45-00; TLX: 32-753.
ACEPROSA lecithin.*

ACEITERIAS REUNIDAS DE LEVANTE S.A.-ARLESA
Castell de Pop, 33-Nazaret, Valencia 11, Ph. 32-68-35/34/33/32; Main office: P°de la Castellana, 143-8°p. Madrid 16.
Lecithin.*

KELSA S.A.
El Burgo, La Coruna, Ph. 66.11.50; TLX: 82142.
CONTACT PERSON: Ramon Pitarque Gorospe, Plant Mgr.
Lecithin.*

OLEAGINOSAS ESPANOLAS, S.A.
Nunez de Balboa, 108, Madrid-6, Ph. (91) 411 4613; TLX: 45302/46918 (OLEA E); Other location: Barcelona.
CONTACT PERSON: Jose Urbelz, Gen. Mgr.
Lecithin.*

TAIWAN

CHIA FHA INDUSTRY CO. LTD.
29 Tattung Shalu, Taichung, Ph. 046-223221.
CONTACT PERSON: Wuu Shyong Lin, Plant Mgr.
LUCKY lecithin.*

GREAT WALL ENTERPRISES CO. LTD.
Niaoshong Vill., Yungkang, Tainan, Ph. 062-531111-0; Other location: 8th Floor, 310 Sec. 4, Chunghsiao E. Rd., Taipei, Ph. 02-7315761-5.
CONTACT PERSON: S.C. Yang, Plant Mgr.
Lecithin.*

HUIE SHENG OIL MILL CO. LTD.
618 Fwanchiu Rd., Kaohsiung (Luchu) 821, Ph. 064-863-311; Other locations: Miaoli; 102 Wenshan; Wenshan Li.
CONTACT PERSON: S. Y. Wang, Pres.
SHENG-LI commercial lecithin.

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang 711, Ph. 062-53212; Other location: 5th Floor 66-1 sec. 1, Chungking S. Rd., Taipei, Ph. 02-331-7571.
CONTACT PERSON: S.L. Wu, Mgr.
PRESIDENT commercial lecithin.*

MEAT ANALOGS, BINDERS INCLUDING TEXTURIZED SOY PROTEINS

UNITED STATES

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5850.
CONTACT PERSON: Robert Sullenberger, VP Soy Spec. Div.
TVP via extrusion process in meat flavors and unflavored.

BERNARD FOOD INDUSTRIES INC.
1125 Hartrey, P.O. Box 1497, Evanston, IL 60204, Ph. 312-273-4497; Other location: 222 S. 24th St., San Jose, CA 95103.

CONTACT PERSON: J. Bernard
Manufacturer of institutional food products. Texturized soy proteins including TEX PRO 1 (hamburger), TEX PRO 2 (meat loaf), TEX PRO 3 (sloppy joe), TEX PRO 4 (chili mix), TEX PRO 5 (taco), TEX PRO 6 (veal and fish), TEX PRO 7 (spaghetti and lasagna) and TEX PRO 8 (pizza topping).

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-6318.
Textured soy proteins.

CENTRAL SOYA
Chemurgy Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5420; TLX: 276170 CENSOYA FWA A.
CONTACT PERSON: Willis Clark, Gen. Mgr.
Meat binders, defatted, low-fat and lecithinated soy flours, soy grits, PROMOSOY, PROMOCAF and CENPRO 70, edible soy protein concentrates, RESPONSE and CENTEX textured soy proteins.

CUSTOM FOOD PRODUCTS INC.
730 N. Albany Ave., Chicago, IL 60612, Ph. 312-722-7500.
Sausage and loaf binders for sausage trade. Hamburger and loaf seasonings and binders for institutional trade.

FARMLAND AGRISERVICES, INC.
Manufactured Products Div., 960 N. Halstead, P.O. Box 1667, Hutchinson, KS 67501, Ph. 316-663-5711; TWX: 910-740-1528.
CONTACT PERSON: Derek Park, Sales Mgr.
Ground meat binders and ULTRA-SOY textured soy protein.

FIRST SPICE MIXING CO.
33-33 Greenpoint Ave., Long Island City, NY 11101, Ph. 212-361-2556; Other locations: 185 Arkansas St., San Francisco, CA 94107; 98 Tycos Dr., Toronto, ONT., Canada.
CONTACT PERSON: Martin U. Heiman
TEXITE extender and binder for meat products.

GARRISON PRODUCTS INC.
1471 Paddock Dr., Northbrook, IL 60062, Ph. 312-998-8188.
CONTACT PERSON: Robert Garrison
Meat and mushroom analogs.

GENERAL SPICE INC.
238 St. Nicholas Avenue, So. Plainfield, NJ 07080, Ph. 201-753-9100; TWX: 710 997 9547 (SOPD); Other locations: Detroit, MI; Malden, MA.
CONTACT PERSON: Karl H. Brand, Pres.
SOTEX texturized vegetable protein and BAKOTEX imitation bacon bits.

GRIFFITH LABORATORIES
12200 S. Central Ave., Alsip, IL 60658, Ph. 312-371-0900.
CONTACT PERSON: Wayne Pruiett, Dir.
PROTEINATE GL-301, PROCASE, PRO-BLEND and PROMAX ground meat binders. PROMATE, GSVP, GSPC and custom extruded textured soy proteins.

LAND O'LAKES INDUSTRIAL SALES
P.O. Box 1087, Eau Claire, WI 54701, Ph. 715-835-2221.
CONTACT PERSON: Steve Jankowiak
Textured soy flour meat extenders.

LAUHOFF GRAIN CO.
Div. of Bunge Corp., Danville, IL 61832, Ph. 217-446-4770.
CONTACT PERSON: Larry Friend, Comm. Mgr.
Meat analogs, binders including texturized soy protein.

LOMA LINDA FOODS
11503 Pierce St., Riverside, CA 92515, Ph. 714-687-7800.
CONTACT PERSON: Oliver Miller, VP R&D
Soy sausages (three varieties), burger, canned and packaged sandwich spread and "meat" balls. Meatless Chicken made with textured soy protein, Meatless Swiss Steak, Sizzle Burger, Griddle Steaks and Ocean Fillets.

NORTH AMERICAN LABORATORY CO. INC.
1717 W. 10th St., Indianapolis, IN 46222, Ph. 317-635-9500.
CONTACT PERSON: Dr. K. Hyder, Dir. Mktg.
Binders for meat products and textured soy proteins flavor for partial meat replacement.

RALSTON PURINA CO.
Checkerboard Square, St. Louis, MO 63188, Ph. 800-325-7136.
PURINA PROTEIN 220 & 500E and SUPRO 620 ground meat binders. SUPRO 50 textured soy proteins.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
PROCON soy protein concentrate, textured PROCON soy protein concentrate, BLAND 50 soy flour, 15-90 PDI soy flour and grits and MIRE-TEX, NUTR-MATE and VYTAL textured vegetable protein.

WORTHINGTON FOODS
900 Proprietors Rd., Worthington, OH 43085, Ph. 614-885-9511.
CONTACT PERSON: Frank Poston, Mktg. Dir.
Vegetable protein meat-type analog entrees, over 45 canned, frozen and dehydrated products, simulating beef, pork and poultry.

AUSTRALIA

SANITARIUM HEALTH FOOD CO.
148 Fox Valley Rd., Wahroonga N.S.W., 2076, Ph. 480206; TLX: 22064.
CONTACT PERSON: R.L. Rogers, Prod. Mgr.
Canned vegetable protein foods and textured vegetable protein.*

BRAZIL

FAROL S.A.-IND. GAUCHA DE FARELOS E OLEOS
Avenida Borges de Medeiros 659-12th Flr., Porto Alegre, RGS, 90000, Ph. 512-33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Director*

CHILE

ALIMENTOS PROTEICOS LTDA.
Los Tres Antonios 36 - Nunoa, Santiago, Ph. 2252503-42918.
CONTACT PERSON: Ruperto Cabello, Mgr.
Texturized soy protein.*

INDUSTRIAS PRODUCTOS ALIMENTICIOS S.A.
Sta. Elena 1970, Santiago, Ph. 569029.
CONTACT PERSON: Juan A.R. Gormaz, Gen. Mgr.
IPAL meat analogs, binders, including texturized soy protein.*

COLOMBIA

GRASAS S.A.
Calle 11, No. 18-113, Apartado Aereo 85, Buga-Valle, Ph. 2021; TLX: 05866.
CONTACT PERSON: Alberto Angel Leon, Pres.
CARNAVIT textured vegetable protein.*

ECUADOR

PHIDAYGESA
Km.16½ Via a Daule, Guayaquil, Ph. 351555; TLX: 04-3506.
CONTACT PERSON: Emilio Baquerizo V., Pres.*

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 ONJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich
ARCON protein concentrate. ARDEX isolated soya protein.*

BRITISH SOYA PRODUCTS LTD.
Puckeridge, NR Ware, Hertfordshire, Ph. (Ware) 821291; TLX: 81352.
CONTACT PERSON: D.W. Hill, Sales Mgr.
BESPRO textured proteins.*

FEDERAL REPUBLIC OF GERMANY

INTERFOOD DEUTSCHLAND GmbH DIV.
Interfood Luxemburg SAH, Louisenstr. 115, 6380 Bad Homburg, 1, Ph. 06172/22046; TLX: 0415840.
CONTACT PERSON: Hans D. Kneer, Mgr. Dir.
Texturized soy protein, soy fibers.*

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.

INDIA

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE meat analogs, binders (including texturized soy protein).*

VED BRAT & CO.
39C Prem House, Connaught Pl., New Delhi 110 001, Ph. 352761 or 615100.
CONTACT PERSON: V. Brat, Pres.
Textured vegetable protein.

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Meat analogs.*

JAPAN

AJINOMOTO CO. INC.
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo, Ph. 272-1111.
CONTACT PERSON: N. Mizoguchi, Plant Mgr.
ESSAM PROTEIN-S,L, PRORICH, AJIPRON-E,M,S.*

FPPM LIMITED
SKF Bldg., 9-1 1-Chome, Shiba-Daimon, Minato-ku, Tokyo 05, Ph. 03-438-2021; Plant at: Izumisano-City, Osaka-fu.
CONTACT PERSON: Toshitaka Yoshino
FUJI PURE-SP, structured soy protein.

FUJI OIL CO., LTD.
Nissei Midosuji Hachimancho Bldg., 6-1 Hachimancho, Minami-ku, Osaka 542, Ph. 06-213-8151.
CONTACT PERSON: Fumio Yuasa, Head Soybean Buyer
NEW SOYEESE, structured soy protein, and textured soy protein.

JAPAN SOY PROTEIN CO. LTD.
Sumiyoshicho Izumisano, Osaka, Ph. 0724-63-5105.
CONTACT PERSON: Kiyofumi Ishii, Mgr. Dir.
Textured soy protein.

MILES-KYOWA CO. LTD.
Aoyama Bldg. 2-3, Kita-Aoyama 1-Chome, Minatoku, Tokyo, Ph. 03-402-9144; TLX: 2423548 (MILES J).
CONTACT PERSON: E. Morihiro, Mgr. Dir.
MAXTEN, textured vegetable protein.

KOREA

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 (KOSADB); Plant at: Jin Hae, Kyung Nam.
CONTACT PERSON: Myoungsoo Shin, Pres.
HAE PYO and DONGBANG textured soy protein.

MEXICO

ALIMENTOS COL PAC
KM 13 Carratera Huatabampo, Apartado No. 502, Navojoa Sonora, Ph. 2-41-30.
CONTACT PERSON: Ing. Filiberto Verduzco, Mgr.
SOYA PAC and TORTALETA meat analogs, textured soy protein.*

INDUSTRIAL DE ALIMENTOS, S.A.
Poniente 146 No. 789, Col. Industrial Vallejo, Deleg. Azcapotzalco, 02300 D.F.
CONTACT PERSON: Felipe Suberbie, Mgr.
PROTOLEG textured soy protein.

PRODUCTOS NUTRICIONALES S.A. (PRONASA)
A Gee y DBFlo, Juarez, Celaya, Guanajuato, Ph. 545-83-22; Other location: Lago Xochimilco 225, Mexico 17 DF.
MAXTEN TEMPTEIN, textured soy protein.

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneappolis, MN, USA; Coenhavenweg 2, Box 8074, 1005 AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Ruud Sevink, Mgr. Protein
Meat analogs, binders, Textratein.*

NITICEL B.V.
Sluisstraat 57, P.O. Box 16, Musselkanaal, Ph. 05994 6599; TLX: 53220 tenka nl.
CONTACT PERSON: A. Grooten, Dir.
Meat analogs, binders including texturized soy protein.*

SOUTH AFRICA

JABULA FOODS LTD.
P.O. Box 818, Springs, Transvaal 1560, Ph. (011) 813-2232; TLX: 4-21386.
CONTACT PERSON: M.J. Howell, Factory Mgr.
VEGETEEN meat analogs, binders (including texturized soy protein).*

TIGER PROTEIN INDUSTRIES PTY. LTD.
P.O. Box 575, Randfontein 1760 N/A, Ph. 011-693-4231; TLX: 4-20568.
CONTACT PERSON: Glen Clack, Mgr. Dir.
Textured vegetable protein, textured soya concentrate, meat analogs.*

THAILAND

RAMA FOOD PRODUCTS CO., LTD.
Bangkok, Ph. 392-3002; TLX: 84574 (NOPAKUN TH).
Textured soy protein.

SOY BEVERAGES

UNITED STATES

MRS. CHENG'S SOYBEAN PRODUCT INC.
1829 E. Palolo Ave., Honolulu, HI 96816, Ph. 808-737-5751.
CONTACT PERSON: Hui Chen Cheng, Pres.
MRS. CHENG'S soy beverages.

COCA-COLA CO.
P.O. Drawer 1734, Atlanta, GA 30301, Ph. 404-898-2121.
CONTACT PERSON: Dr. D.S. Bhatia, Dir. R&D
Soymilk beverages for Hong Kong (HI-C SOYABEAN MILK), whey beverages for Mexico (SANSON).

DAIRYLAND PRODUCTS INC.
5345 W. 125th St., Savage, MN 55378, Ph. 612-890-5305.
CONTACT PERSON: Thomas C. Sando, Pres.
MELOBEV.

FEARN SOYA FOODS DIV. OF RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
FEARN's pure soy powder for making soy milk.

GLOBAL NUTRAMEAL INC.
R.R., Box 6122, Spirit Lake, IA 51360, Ph. 712-337-3376.
CONTACT PERSON: Kirk Stauss, Pres.
NUTRAMEAL nutritional food.

LOMA LINDA FOODS
P.O. Box 388, Mt. Vernon, OH 43050; Main office: Riverside, CA, Ph. 714-687-7800.
CONTACT PERSON: Oliver Miller, VP R&D
Powdered and liquid soy milk in five varieties.

MANDALAY FOOD PRODUCTS INC.
450 Broome St., New York, NY 10013, Ph. 212-966-0338.
CONTACT PERSON: John Tun, Mgr.
Soy beverages.

MIGHTY SOY, INC.
2805 E. Washington Blvd., Los Angeles, CA 90023, Ph. 213-266-6969.
CONTACT PERSON: Maung Myint, Pres.
MIGHTY SOY soy beverage.

MILLER-SOY
Rt. 2, 208-B, Greenbrier, TN 37073, Ph. 615-329-2380.
Soymilk.

NOMURA TOFU CO., INC.
2904 W. Fullerton, Chicago, IL 60647, Ph. 312-486-7224/5.
CONTACT PERSON: William Woo, Pres.
NOMURA soy beverage.

QUONG HOP & CO.
161 Beacon St., South San Francisco, CA 94080, Ph. 415-952-TOFU.
CONTACT PERSON: Jim Miller, Dir.
Bottled soymilk; CAROB, HONEY, ALMOND, PLAIN and SUGAR, SOY FRESH.

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Far, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

TOKYO FOOD PROCESSING CORP.
40 Varick Ave., Brooklyn, NY 11237, Ph. 212-456-8805.
WEL PAC soy beverage.

WORTHINGTON FOODS, INC.
900 Proprietors Rd., Worthington, OH 43085, Ph. 614-885-9511.
CONTACT PERSON: Frank Poston, Mktg. Dir.
Processing and packing powdered soy milk (SOYAMEL).

WY KY INC.
235-237 San Fernando Rd., Los Angeles, CA 90031, Ph. 213-222-0779.
CONTACT PERSON: William Lee, Pres.
WY KY soy beverage.

AUSTRALIA

SANITARIUM HEALTH FOOD CO.
148 Fox Valley Rd., Wahroonga N.S.W. 2076, Ph. 480206; TLX: 22064.
CONTACT PERSON: R.L. Rogers, Prod. Mgr.
Soya milk, liquids.*

BRAZIL

OLVEBRA S/A-INDUSTRIA E COMERCIO DE OLEOS VEGETAIS
Praca Osvaldo Cruz, 15-16° andar, Porto Alegre, RS, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT PERSON: Hans Hajo Grun, Comm. Dir.
Hydrosoluble soybean extract as powder soy milk, NOVOMILK.*

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 ONJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
Soy beverages.*

JAPAN

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Building, 1-2-3 Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
Soy milk.*

MEIJI MILK PRODUCTS CO., LTD.
2-3-6, Kyobashi, Chuo-ku, Tokyo 104, Ph. 03-274-5198; TLX:222-2404 (MEINYU J).
CONTACT PERSON: Sumio Yoshikawa, Dev. Plng.
SUNGROW soy beverage.*

KOREA

DR. CHUNG'S FOOD COMPANY
194-24, 1-ka, Hoehyun-Dong, Choong-Ku, Seoul, Ph. 777-7421; Other location: 296-5 Hagal-ri, Kiheung myon. Yong In-kun, Kyungki-do.
CONTACT PERSON: Chung Sung Soo, VP
VEGIMIL soy milk.*

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 (KOSADB); Plant at: Jin Hae, Kyung Nam, Ph. 2-2161-3.
CONTACT PERSON: Myoungsoo Shin, Pres.
GREEN MILK soy milk beverage and GREEN MILK soy milk ice cream ingredient.

MALAYSIA

ACE CANNING CORP. SDN BHD
P.O. Box 8, Jalan 205, Petaling Jaya, Selangor, Ph. 572755; TLX: MA 37671 (LAMVEG).
CONTACT PERSON: Lim Kwee Hiang, Mgr.
DRINHO SOYBEAN DRINK.*

CARNATION COMPANY (M) SDN. BERHAD
27, Jalan Telawi Tiga, Bungsar Baru, Kuala Lumpur.
Soy beverage.

YEO HIAP SENG (Malaysia) BERHAD
7 Jalan Tandang, P.O. Box 229, Petaling Jaya, Selangor, Ph. 573733; TLX: 37544 (YHS MA).
CONTACT PERSON: Mrs. C.K. Lo, Purch. Mgr.
Soy beverage.*

MEXICO

ALIMENTOS COLPAC
KM 13 Carratera Huatabampo, Apartado No. 502, Navojoa Sonora, Ph. 2-41-30.
CONTACT PERSON: Filiberto Verduzco, Mgr.
SOYALAC soy beverage.*

INDUSTRIAL DE ALIMENTOS' S.A.
Poniente 146 No. 789, Col. Industrial Vallejo, Deleg. Azcapotzalco, 02300 Mexico D.F.
CONTACT PERSON: Felipe Suberbie, Mgr.
SOYATOLE and SOYAMALT soy beverages.

PHILIPPINES

UNIVERSAL ROBINA CORPORATION
E. Rodrigues Ave., Bagong Ilog, Pasig, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Soy beverages.

SINGAPORE

THE AMOY CANNING CORP. (Singapore) LTD.
13 KM Bukit Timah Rd., Ph. 663566.
Soy beverage.

CARNATION COMPANY (Singapore) PTE LTD.
Sub. of Carnation International, Los Angeles, CA; Ph. 2200122; TLX: 23401 (CARNSIN RS).
Soy beverage.

FOOD SPECIALITIES SINGAPORE (PTE) LTD.
Aff. of Nestle companies; Ph. 652911; TLX: 25767 (FOSPEC RS).
Soy beverage.

FRASER & NEAVE (Singapore) PTE LTD.
475 River Valley Rd., Singapore 1024. Ph. 630222; TLX: 21687 (RS).
CONTACT PERSON: Dr. Kwok Kain Sze, R&D Mgr.
Soy beverage.*

YEO HIAP SENG LIMITED
950 Dunearn Rd., Singapore 2158, Ph. 662266; TLX: 22143 (RS).
CONTACT PERSON: Joseph Yeo, Export Mgr.
Soy beverage.*

TAIWAN

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang 711, Ph. 062-532121; Other location: Taipei.
CONTACT PERSON: H.M. Kao, Mgr.
PRESIDENT soy milk.*

WEI-CHUAN FOODS CORP.
125 Sunchiang Rd., Taipei, Ph. 02-541-8221; Plant at: No. 518, Chung-Hsin Rd., Sec. 5, San-Chung City 241, Ph. 02-982-1119.
Soy milk.

THAILAND

GREEN SPOT (THAILAND) LTD.
79 Pattanakarn 3 Road, Bangkok, Ph. 377-5088-91,377-8584-5, 377-8574.
CONTACT PERSON: C.C. Cheung, Exec. Dir.
VITAMILK soy beverage.*

RAMA FOOD PRODUCTS CO., LTD.
Bangkok, Ph. 392-3002; TLX: 84574 (NOPAKUN TH).
Soy beverage.

SOY FLOUR, PROTEIN CONCENTRATES & ISOLATES

UNITED STATES

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5850.
CONTACT PERSON: Robert Sullenberger, VP Soy Spec. Div.
NUTRISOY edible soy flours and grits, ADM soybean brew flakes, soy protein concentrates, and soy protein isolates.

CARGILL INC.
P.O. Box 2817, Cedar Rapids, IA 52406, Ph. 319-399-4100.
Soy flour, flakes and grits.

CENTRAL SOYA
Chemurgy Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5508; TLX: 276170 CENSOYA FWA A.
CONTACT PERSON: Willis Clark, Gen. Mgr.
Defatted, low-fat and lecithinated soy flours, flakes and grits. RESPONSE and CENTEX textured soy proteins, PROMOSOY, PROMOCAF and CENPRO 70 soy protein concentrates.

DAIRYLAND PRODUCTS INC.
5345 W. 125th St., Savage, MN 55378, Ph. 612-890-5305.
CONTACT PERSON: Thomas C. Sando, Pres.
MELOPRO soy flour, flakes and grits, soy protein blend.

FARMLAND AGRISERVICES, INC.
Manufactured Products Division, 960 N. Halstead, P.O. Box 1667, Hutchinson, KS 67501, Ph. 316-663-5711; TWX: 910-740-1528.
CONTACT PERSON: Derek Park, Sales Mgr.
Soy flour, flakes and grits.

FARMLAND INDUSTRIES INC.
St. Joseph Div., P.O. Box 427, St. Joseph, MO 64502, Ph. 816-233-6161; TWX: 910-777-7189.
CONTACT PERSON: Bob Wright, Flour Sales
Defatted soy flour and grits, full toast, light toast and untoasted. Mesh flour, coarse-medium-fine grits. Bulk and bagged.

FEARN SOYA FOODS, DIV. RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
Pure soy powder and soy grits. FEARN soy protein 91%.

GRAIN PROCESSING CORP.
1600 Oregon, Muscatine, IA 52761, Ph. 319-264-4278; TLX: 468497.
CONTACT PERSON: Ralph Wilkinson, Food Prod. Sales Mgr.
High and low solubility isolates (90%) from soy flakes.

GRIFFITH LABORATORIES
12200 S. Central Ave., Alsip, IL 60658, Ph. 312-371-0900.
CONTACT PERSON: Wayne Pruiett, Protein
GL-301 and PROMAX 70 soy protein concentrates.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56002, Ph. 507-625-7911.
CONTACT PERSON: Ed Senska
Soy flakes; toasted, untoasted soy flour. Bulk and bagged.

LAND O'LAKES INDUSTRIAL SALES
P.O. Box 1087, Eau Claire, WI 54701, Ph. 715-835-2221.
CONTACT PERSON: Steve Jankowiak
Soy flour, soy grits, textured soy flour meat extenders.

LAUHOFF GRAIN CO.
Div. of Bunge Corp., Danville, IL 61832, Ph. 217-446-4770.
CONTACT PERSON: Larry Friend, Comm. Mgr.
Soy flour, protein concentrates and isolates.

LUCAS MEYER INC.
Div. of Lucas Meyer Hamburg, 765 E. Pythian Ave., Decatur, IL 62526, Ph. 217-875-3660; TLX: 40-4387.
Full-fat soyflour, flakes and grits.

RALSTON PURINA CO.
Protein Div., Checkerboard Square, St. Louis, MO 63188, Ph. 800-325-7136.
CONTACT PERSON: J.V. Heinz, Dir. Sales.
SUPRO 350, 610, 620, 630, 640T FORTIBLEND, 660, 710; SPF200; EDIPRO A; SUPRO HD90; and PURINA PROTEIN 220 and 500E isolated soy proteins for varied use in food products.

THE ROBERTSON CORP.
111 S. Walnut, P.O. box 128, Seymour, IN 47274, Ph. 812-522-4639; Plants at: Bedford and Brownstown, IN.
CONTACT PERSON: R. S. Robertson
Soy flour, flakes & grits.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Coarse & medium grits. Toasted, medium toasted and untoasted flour and grits. 15-90 PDI soy flour and grits. PROCON 2000, 2060 and textured PROCON soy protein concentrates.

AUSTRALIA

BARTON ADDISON & SONS PTY. LTD.
P.O. Box 51, 18 Gray St., Kogarah 2217 N.S.W., Ph. 587-0457.
CONTACT PERSON: P. Dickinson, Gen. Mgr.
ADDISON soy flour, NU-SOY bread mix, NU-SOY concentrate.

MEGGITT LIMITED
P.O. Box 199, Parramatta 2150 NSW, Ph. 638 4466; TLX: AA70 851 (MEGCAM).
CONTACT PERSON: A.D. Rector, Chief Exec.
Soy flour, protein concentrates & isolates.*

SOY PRODUCTS OF AUSTRALIA PTY. LTD.
69 Power Rd., P.O. Box 66, Bayswater, 3153, Victoria, Ph. (03) 729-1738.
SOYVITA full-fat soy flour.*

BOLIVIA

FABRICA DE ACEITE VILLAMONTES RAFAEL DEHEZA
Ave. Camacho 1485 Edif. La Urbana, P.O. Box 1124, La Paz, Ph. 324957-350917; TLX: 2566.
Soy flour CBF.

INDUSTRIAS DE ACEITE S.A.
P.O. Box 1759, Ballivian 262, Santa Cruz, Ph. 47008-47700.
CONTACT PERSON: Ing. Felipe Campbell, Gen. Mgr.
Soy flour.*

BRAZIL

FAROL S.A.-IND. GAUCHA DE FARELOS E OLEOS
Avenida Borges de Medeiros 659-12th Flr., Porto Alegre, RGS, 90000, Ph. (512) 33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, Feliz, and Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Soy flour, protein concentrates & isolates.*

CANADA

VICTORY SOYA MILLS LTD.
333 Lake Shore Blvd. E., Toronto, Ontario M5A 1C2, Ph. 416-363-8771; TLX: 06-219812; CABLE: (VICTORY TOR).
CONTACT PERSON: B.S. Aitken, Gen. Mgr.
SOYWHITE defatted flour.*

CHILE

ACEITERA TALCA S.A. (ACEITAL)
Casilla 20D, Camino Longitudinal Sur, Talca, Ph. 32163, 31855.
ORO VEGETAL soybean flour.

COLOMBIA

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS)
Carretera Del Sur 57-21, Bogota, Ph. 30-50-55; TLX: 41368.
CONTACT PERSON: Guillermo Espinoso Soto, Gen. Mgr.
Soy flour.*

LLOREDA GRASAS S.A.
Autopista Cali-Yumbo Kilometro 3, Ph. 68211119; TLX: 055-711 (LLOGR CO).
CONTACT PERSON: Guillermo Baron, Mgr.
PROTARINA and LLOREDA soy flours.

ECUADOR

PHIDAYGESA
Km. 16½ Via a Daule, Guayaquil, Ph. 351555; TLX: 04-3506.
CONTACT PERSON: Emilio Baquerizo V., Pres.

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 ONJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
HISOY & DOSOY soy flour.*

BRITISH SOYA PRODUCTS LTD.
Puckeridge, NR Ware, Hertfordshire, Ph. (Ware)821291; TLX: 81352.
CONTACT PERSON: D.W. Hill, Sales Mgr.
TRUSOY, BREDSOY soy flours.*

SOYA FOODS LTD.
New Malden House 1, Blagdon Rd., New Malden Surrey KT3 4TB, Ph. 01-949-2141; TLX: 896660.
CONTACT PERSON: R.J. Woodfield, Prod. Grp. Mgr.
SOYOLK, DIASOY full-fat soy flours.*

FEDERAL REPUBLIC OF GERMANY

EDELSOYA GmbH
Ausschlaeger Elbdeich 21, 2000 Hamburg 28, Ph. 78-17-01.
Fullfat soy flour, grits and flakes.*

INTERFOOD DEUTSCHLAND GmbH
Interfood Luxemburg SAH, Louisenstr. 115, 6380 Bad Homburg, 1, Ph. 06172/22046; TLX: 0415840.
CONTACT PERSON: Hans D. Kneer, Mgr. Dir.
PURINA PROTEIN soy flour, protein concentrates and isolates.*

OELMUHLE HAMBURG AG
KohlbrandstraBe 1, P.O. Box 930 320, D-2102 Hamburg 93, Ph. 75-19-41; TLX: 163537.
CONTACT PERSON: A.V. Wissel, VP
Protein meals and flours.*

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
SOYOPTIM, SOYASSIM, PROTISOYA, DYNASOYA and FLOCOSOYA soy flours.*

HAITI

SODEXOL S.A.M.
P.O. Box 13460, Delmas, Port au Prince, Ph. 2-4885, 2-4886; TLX: 2030170 (ACIERIE).
CONTACT PERSON: Eliezer Bashan.*

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Devendra Kumar Agrawal
Soy flour, protein concentrates and isolates.

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Soy flour.

PREMIER EXTRACTIONS PRIVATE LIMITED
45/47 A. Industrial Area, A.B. Rd., Dewas, Madhya Pradesh, Ph. 5989, 38705 or 236-854; TLX: 0735-306 (PREM-IN).
CONTACT PERSON: Sh. G. L. Agrawal, Mgr. Dir.
Soy flour, protein concentrates and isolates.

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE soy flour, protein concentrates and isolates.*

VED BRAT & CO.
39-C, Prem House, Connaught Pl., New Delhi-1, Ph. 352761 or 615100.
CONTACT PERSON: V. Brat, Pres.
Soy protein isolates.

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSP IN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
VIPPY & SUPER SOY soy flours.*

ISRAEL

ETZ HAZAITH LTD.
P.O. Box 193, Petah-Tikva, Ph. 927171; TLX: 341859.
Soy flour.

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Soy flour, protein concentrates and isolates.*

JAPAN

AJINOMOTO CO. INC.
5-8, 1-Chome, Kyobashi, Chuo-Ku, Tokyo Ph. 272-1111.
CONTACT PERSON: N. Mizoguchi, Plant Mgr.
AJIPRON soy flour.*

ASAHI YUSHI CO. LTD.
Higashi Asahikawa, Asahikawa City 070, Ph. 0166-36-1121.
Soy flour.

FPPM LIMITED
SKF Bldg., 9-1, 1-Chome, Shiba-Daimon, Minato-ku, Tokyo, Ph. 03-438-2021.
CONTACT PERSON: Toshitaka Yoshino
Soy flour.

FUJI OIL CO. LTD.
Nissei Midosuji Hachimancho Bldg., 6-1 Hachimancho Minami-ku, Osaka 542, Ph. 06-213-8151.
CONTACT PERSON: Fumio Yuasa, Head Soybean Buyer
FUJI PRO: isolated soy protein, concentrated soy protein.

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3 Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
Soy flour, protein concentrates & isolates.*

JAPAN PROTEIN INDUSTRY CO. LTD.
1920 Ogawahigashicho, Kodaira City, Tokyo, Ph. 0423-41-0831.
PROTON-M and HIPROTON whole fatted spray dried soy protein; PROTON-SA No. 1 defatted spray dried soy protein; PROTON-NA No. 1 isolated soy protein.

KYOWA HAKKO KOGYO CO. LTD.
1-6-1 Otemachi Chiyoda-ku, Tokyo, Ph. 03-201-7211.
Soy protein.

NIKKA FATS & OILS CO. LTD.
5-16, 1-Chome, Edobori, Nishi-ku, Osaka, Ph. 06-441-7431; Plants at: Fukuoka, Kitakyushu, Wakamatsu.
CONTACT PERSON: H. Ishibara
Soy flour, protein concentrates and isolates.

NIKKO OIL MILLS CO., LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX:222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO-MAME defatted soybean meal for shoyu and miso; SAKAE-MAME soybean meal for tofu.

THE NISSHIN OIL MILLS LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923; Plants at: Yokohama and Kobe.
CONTACT PERSON: T. Okumori, Plant Mgr.
SOYMEE soy protein.*

SHOWA SANGYO CO. LTD.
2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo 101, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
SHOWA soy flour; SANGYO-MAME soy flour for tofu.

KOREA

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 (KOSADB).
CONTACT PERSON: Myoungsoo Shin, Pres.
HAE PYO and DONGBANG soy flour.

MEXICO

ACEITES POLIMERIZADOS S.A.
Inguaran No. 5719, Mexico 14, D.F., Ph. 577-39-23.
Soy flour.

ALIMENTOS COLPAC
KM. 13 Carratera Huatabampo, Apartado 502, Navojoa, Sonora.
CONTACT PERSON Filiberto Verduzco, Mgr.
NUTRISOY soy flour.*

FABRICA DE JABON LA CORONA S.A. DE C.V.
Apartado Postal 890, Zona Industrial No. 2, Ciudad Obregon, Sonora, 85000, Ph. 641-3-46-90; TLX: 552-839 (FJCOBR).
CONTACT PERSON: J.L. Lambarri, Local Mgr.
SOYARINA 50 soy flour.*

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Planning Dir.
Soy flour, protein concentrates and isolates.*

INDUSTRIAL DE ALIMENTOS, S.A.
Poniente 146 No. 789, Col. Industrial Vallejo, Deleg. Azcapotzalco, 02300, D.F.
CONTACT PERSON: Felipe Suberbie, Mgr.
SH, SHT and SL soy flour.

INDUSTRIAL JABONERA LA ESPERANZA, S.A.
Fte. a la Estacion de los FFCC, Gomez Palacio, Durango, Ph. 4-1044; TLX: 032-877.
CONTACT PERSON: Aureliano Alatorre M., Gen. Mgr.
Soy flour.

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005AB Amsterdam, Ph. 803-803, TLX: 14081.
CONTACT PERSON: Ruud Sevink, Mgr. Protein
Soy flour and grits.*

NITICEL B.V.
Sluisstraat 57, P.O. Box 16, Musselkanaal, Ph. 05994 6599; TLX: 53220 tenka nl.
CONTACT PERSON: A. Grooten, Dir.
Soy flour, protein concentrates & isolates.*

UNIMILLS B.V.
Lindtsedijk 8, 3336 LE Zwijndrecht, Ph. 078-125144; TLX: 29031 (UMIL NL).
Soy protein concentrates.*

PORTUGAL

TAGOL, COMPANHIA DE OLEAGINOSAS DO TEJO SARL
Ave. Republica 44-7°, 1000 Lisbon, Ph. 767521/2, TLX: 14187 (Tagol P).
CONTACT PERSON: Manuel Mourao, Dir.
TAGOL soy flour.*

SPAIN

ACEITES Y PROTEINAS S.A. (ACEPROSA)
Repelega, Portugalete (Vizcaya), Ph. 94-425-45-00; TLX: 32753.
EMULSOY 200 mesh soy flour.*

ARLESA-EXTRASUR
Carretera del Copero, S/N, Punta del Verde, Sevilla, Ph. 69-04-58; TLX: 27784.
Soy flour.*

SOUTH AFRICA

JABULA FOODS LTD.
P.O. Box 818, Springs, Transvaal 1560, Ph. (011) 813-2232; TLX: 4-21386.
CONTACT PERSON: M.J. Howell, Factory Mgr.
JABULA full-fat soya flour.*

S.A. OIL MILLS (PTY) LIMITED
Main Reef Rd., Posbus 208, Randfontein Transvaal 1760, Ph. 011-663-4331; TLX: 8-7825.
Soy flour.

TIGER PROTEIN INDUSTRIES (PTY) LTD.
P.O. Box 575, Randfontein 1760, Ph. 011-693-4231; TLX: 4-20568.
CONTACT PERSON: Glen Clack, Mgr. Dir.
Soy flour, soy grits, soy concentrate.*

TAIWAN

HSIAOKANG SUGAR MILLS, TSC
25 Paoching Rd., Taipei, Ph. 02-311-0521; Plant at: 133 Hsiaokang Rd., Kaohsiung 800, Ph. 07-821-4160.
CONTACT PERSON: S.N. Wu, Plant Mgr.
Soy flour.*

TURKEY

SUMERBANK ORDU SOYA SANAYII MUESSESESI
Aff. of Sumerbank, Ordu, Ph. 1420; TLX: 82168 (SUSO TR).
Soy flour.*

VENEZUELA

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA)
Protinal CA, P.O. Box 83, Valencia, Ph. 52081.
CONTACT PERSON: Ing. Omar Hernandez
SOYARINA soy flour.*

SOY FLOUR MIXES

UNITED STATES

AMERICAN LECITHIN CO. INC.
32-34 61st St., Woodside, L.I., NY 11377, Ph. 212-274-4350; TLX: 26318.
CONTACT PERSON: M. Gillio, Exec. VP

DAIRYLAND PRODUCTS INC.
5345 W. 125th St., Savage, MN 55378, Ph. 612-890-5305.
CONTACT PERSON: Thomas C. Sando, Pres.
MELOTEIN soy flour mix.

FEARN SOYA FOODS DIV. OF RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
Fearn's SOY-O mixes including: unbleached, whole wheat pancake mixes; corn, bran muffin mixes; wheat-free rice baking mix and low sodium pancake mix. Carob, carrot, banana and spice cake mixes.

GLOBAL NUTRAMEAL, INC.
R.R., Box 6122, Spirit Lake, IA 51360, Ph. 712-337-3376.
CONTACT PERSON: Kirk Stauss, Pres.
NUTRAMEAL nutritional food.

GRIFFITH LABORATORIES
12200 S. Central Ave., Alsip, IL 60658, Ph. 312-371-0900.
CONTACT PERSON: Wayne Pruiett, Dir. of Protein Prod.
Soy flour mix, PRO-BLEND.

LAND O'LAKES SOYBEAN DIVISION
Dawson 56232, Ph. 612-769-4386; TLX: 290838.
CONTACT PERSON: Ernie Cook, Flour Mill Supt.
Soy flour mixes.

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

ENGLAND

THE BRITISH ARKADY CO. LTD.
Old Trafford, Manchester M16 ONJ, Ph. 061-872-7161; TLX: 668488.
CONTACT PERSON: J.R. Mahlich, Mgr. Dir.
Soy flour mixes.*

BRITISH SOYA PRODUCTS LTD.
Puckeridge, NR Ware, Hertfordshire, Ph. (Ware) 821291; TLX: 81352.
CONTACT PERSON: D.W. Hill, Sales Mgr.
Soy flour mixes.*

SOYA FOODS LTD.
New Malden House 1, Blagdon Rd., New Malden Surrey KT3 4TB, Ph. 01-949-2141; TLX: 896660.
CONTACT PERSON: R.J. Woodfield, Grp. Mgr.
Soy flour mixes.*

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
PANISOY soy flour mix.*

INDIA

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Soy flour mixes.

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE soy flour mixes.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSP IN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.*

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 GIPAI.
CONTACT PERSON: Axel Skulte, Pres.
Soy flour mixes.*

JAPAN

NIKKA FATS & OILS CO. LTD.
5-16, 1-Chome, Edobori, Nishi-ku, Osaka, Ph. 06-441-7431; Plants at: Fukuoka, Kitakyushu, Wakamatsu.
CONTACT PERSON: H. Ishibara
Soy flour mixes.

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: H. Nonaka, Mgr. Dir.
SAKAE-MAME soy meal for tofu.

SOUTH AFRICA

TIGER PROTEIN INDUSTRIES (PTY) LTD.
P.O. Box 575, Randfontein 1760, Ph. 011-693-4231; TLX: 4-20568.
CONTACT PERSON: Glen Clack, Mgr. Dir.
Soy flour mixes.*

TAIWAN

CHIA FHA INDUSTRY CO. LTD.
29 Tattung Shalu, Taichung, Ph. 046-223221.
CONTACT PERSON: Wuu Shyong Lin, Plant Mgr.
Soy flour mixes.*

SOY OIL PRODUCTS
Margarine, Shortening; Cooking, Salad & Soy Oils

UNITED STATES

ALL-FRESH FOODS INC.
2156 Green Bay Rd., Evanston, IL 60201, Ph. 312-869-3100.
CONTACT PERSON: Thomas A. Bourelly, Pres.
Margarine, shortening, cooking and salad oils.

ANDERSON, CLAYTON FOODS
P.O. Box 226165, Dallas, TX 75266, Ph. 214-387-1224.
CONTACT PERSON: Jim Fustino, Oil Trader
Fully refined and hydrogenated oils, margarine, shortening, cooking and salad oils.

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5866.
CONTACT PERSON: James Stewell, VP.
ARCHER cooking and salad oil, hydrogenated oils in bulk and packaged oils.

BEST FOODS DIV.
CPC INTERNATIONAL INC.
International Plaza, Englewood Cliffs, NJ 07632, Ph. 201-894-4000; Plants at: San Francisco and Santa Fe Springs, CA; Chicago, IL; Bayonne, NJ.
NUCOA and MAZOLA margarine, shortening, ARGO cooking, salad and soy oil.

BROOKSIDE DIV., SAFEWAY STORES INC.
Oakland, CA 94660, Ph. 415-944-4527; Plants at: Richmond, CA; Denison, TX; and Grandview, WA.
Margarine, cooking and salad oil.

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-7575.
Soy oil.

CENTRAL SOYA
Refined Oil Div., 1300 Ft. Wayne National Bank, P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5373; TLX: 276170 CENSOYA FWA A; Other locations: Decatur, IN; Chattanooga, TN.
CONTACT PERSON: Willis Clark, Gen. Mgr.
Margarine, shortening, cooking and salad oil. Refiners of soybean, corn and palm oil.

PATRICK CUDAHY INC.
Cudahy, WI 53110, Ph. 414-744-2000; TLX: 269455.
CONTACT PERSON: Joseph A. Kojis or Dean W. Jacobson
Deodorized & hydrogenated lard & shortening.

DURKEE FOODS DIV. SCM CORP.
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000; Other locations: Chicago and Joliet, IL.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Soy oil.

J.H. FILBERT INC.
3701 Southwestern Blvd., Baltimore, MD 21229, Ph. 301-644-4900; Plant at: 1591 Murphy Ave. SW, Atlanta, GA 30310.
CONTACT PERSON: Basil G. Howard, Sr. VP
Margarine, mayonnaise, retail, food service and food processor.

FOOD SERVICE DIV.
THE MIAMI MARGARINE CO.
5226 Vine St., Cincinnati, OH 45217, Ph. 513-242-2310.
CONTACT PERSON: Paul R. Horton, Mgr. Food Service
Margarine, ROYAL SCOT, GOLDEN MAID, GOLDEN CHIP, NU-MAID, SATIN GOLD, SUPREME; shortening—MIAMI, GRIDDLE KING; salad oil—SUPREME; salad dressing—RICH N' EGGS; peanut butter—OLD DUTCH.

HOLSUM FOODS
P.O. Box 32, Industrial Airport, KS 66031, Ph. 913-782-7171; Other location: 919 14th St., Albert Lea, MN 56007, Ph. 507-373-2431.
Margarine, shortening, cooking and salad oil, salad dressings.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56002, Ph. 507-625-7911.
CONTACT PERSON: Stanley Eichten
Margarine, soy and hydrogenated oil. Savory-soy salad oil.

HUNT-WESSON FOODS INC.
1645 W. Valencia Dr., Fullerton, CA 92634; Plants at: Savannah, GA; Chicago, IL; Bayonne, NJ; Memphis, TN.
Shortening, cooking and salad oil.

INDUSTRIAL PRODUCTS GROUP, STOKELY VAN CAMP INC.
525 W. 1st Ave., P.O. Box 569, Columbus, OH 43216, Ph. 614-299-3131; TLX: 245-494.

Capital, Pride, Buckeye and Purity margarines; HYMO, BBS, SUPER FRY shortenings; STABLAND, CAPITAL cooking/salad oils.

KRAFT INC.
Kraft Ct., Glenview, IL 60025, Ph. 312-998-2000.
CONTACT PERSON: Gerald J. Daleiden
Shortening, salad oil and dressing, margarine.

LEVER BROTHERS CO.
390 Park Ave., New York, NY 10022; Plant at: Los Angeles, CA.
CONTACT PERSON: David W. Melendy, Mgr.
IMPERIAL, PROMISE and AUTUMN margarine and shortening.

PVO INTERNATIONAL INC.
3400 North Wharf St., P.O. Box 5420, St. Louis, MO 63147, Ph. 314-622-0200.
CONTACT PERSON: W. Michael Smith, VP & Gen. Mgr.
Margarine, shortening, cooking, salad and soy oil.

RICELAND FOODS
2120 S. Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Margarine, shortening, cooking and salad oils.

S.E. RYKOFF & CO.
737 Terminal St., Los Angeles, CA 90021, Ph. 213-622-4131.
CONTACT PERSON: Donald W. Becker
Fully refined and hydrogenated oils, mayonnaise, shortening and salad dressings. Labels; SER, SERCO, GOLDEN REY, SILVER REY, MAXIM and CONNOISSEUR.

JOHN SEXTON & CO.
222 S. Riverside Plaza, Chicago, IL 60606, Ph. 312-648-1100.
CONTACT PERSON: G.G. Hughes, VP Mfg.
Shortening, salad dressings and other soybean based products.

SHEDD'S FOOD PRODUCTS
14401 Dexter Blvd., Detroit, MI 48238, Ph. 319-869-6313; TLX: 23-0731; Plants at: Sunnyvale, CA; Elgin, IL; Louisville, KY; Omaha, NE; Greenville, SC; and Dallas, TX.
CONTACT PERSON: Ralph Monroe, Traffic Mgr.
Margarine, SHEDD's old-style dressing and salad product.

C.F. SIMONIN'S SONS INC.
Belgrade and Tioga Sts., Philadelphia, PA 19134, Ph. 215-426-2300.
Cooking and salad oils.

A.E. STALEY MFG. CO.
P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4415.
Cooking, salad oils, and hydrogenated oils, bulk.

ARGENTINA

MOLINOS RIO DE LA PLATA S.A.
Division Oleaginosos, Paseo Colon 746, Buenos Aires, 1323; TLX: 22270 (MRPSA AR); Other locations: Avellaneda, Provincia de Buenos Aires; Barranqueras, Chaco.
CONTACT PERSON: Dr. Nolly Sirkis, Div. Mgr.
DELICIA and MANTY margarines; COCINERO, LIRA, RIO UVA, RIO MAIZ, IDEAL and TORERO cooking/salad oils.

AUSTRALIA

NUTTELEX FOOD PRODUCTS PTY. LTD.
594-600 Church St., Richmond, Victoria 3121, Ph. 428-3585; TLX: 30333 (EDZORN AA).
Margarine.

SOUTHERN PACKERS (AUST.) PTY LTD.
250 Ingles St., Private Bag 13,, Port Melbourne 3207, Ph. 644338; TLX: AA 33730.
Shortening, cooking and salad oil.*

AUSTRIA

KUNER
Rosengasse 4, A 1011 Wien, Ph. 0222-6619-0; TLX: 11-4080.
Margarine, edible grade soy oil.*

BELGIUM

UNION N.V.
De Keyserlei 5-Bus 1, Antwerp, B-2000, Ph. (3) 2231370; TLX: 3 34895.
CONTACT PERSON: LJP Janssens, Log. Mgr.
SOLO, PLANTA, BECEL, NATURA, ORO margarines; IMPERIAL cooking/salad oil.*

VANDEMOORTELE N.V.
Prins Albertlaan 12, Izegem 8700, Ph. 051/30.22.22 or 051/30.38.38; TLX: 81 622 (VAMO B).
CONTACT PERSON: G. Vervaeke or J. Vleurinck, Prod. Dirs.
Margarine, shortening and cooking/salad oil.*

BOLIVIA

FABRICA DE ACEITE VILLAMONTES RAFAEL DEHEZA
Ave. Camacho 1485 Edif. la Urbana, P.O. Box 1124, La Paz, Ph. 324957-350917; TLX: 2566.
CONTACT PERSON: Ing. Jorge Jung Peters
EL REY soy oil.

INDUSTRIAS DE ACEITE S.A.
P.O. Box 1759, Ballivian 262, Santa Cruz, Ph. 47008-47700.
CONTACT PERSON: Ing. Felipe Campbell, Gen. Mgr.
KARINA shortening and FINO brand cooking/salad oil.*

BRAZIL

COMPANHIA MOGIANA DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
HELOISA cooking/salad oil.

GRANOL IND. COM. EXP. S/A.
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733; TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Jose Gomes Cadette, Pres.
MONTEREAL, TUPA, CORONA cooking/salad oils.

INDUSTRIAS GESSY LEVER LTDA.
P.O. Box 2745, Sao Paulo, SP 01000, Ph. 0192-71.1777; TLX: (019) 1461 (VALINHOS, SP).
CONTACT PERSON: Samuel Aguirre Diaz, Tech. Dir.
DORIANA, BECEL, ASTRA, ADORELLA, GRADINAS, DULAR margarine.*

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. (011) 274.8211, TLX: 01121226 (IJBDBR); Other location: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Luiz Lian de Abreu Duarte, Gen. Dir.
COLMEIA, JB, MAISA shortenings; VIDA, CERES, MARIA, GILDA cooking/salad oil.*

KASPER & CIA. LTDA.
Rua dos Andradas 955-7th, 8th, 9th Flrs., 90000 Porto Alegre, RS, Ph. (0512) 33-1588 or 33-4212; TLX: (051) 1569 KASP BR.
CONTACT PERSON: Teldo Kasper Filho, Dir.
BIBIANA cooking/salad oil.

OLVEBRA S/A-INDUSTRIA E COMERCIO DE OLEOS VEGETAIS
Praca Osvaldo Cruz 15-16° andar, Porto Alegre, RS, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT PERSON: Hans Hajo Grun, Comm. Dir.
VIOLETA soy oil.*

REFINADORA DE OLEOS BRASIL S/A.
Av. Paulista, 2073-Conj. Horsa II, 2nd Flr., Sao Paulo, S.P., 01311, Ph. (011) 287-3122; TLX: (011) 32042 (NEVA BR) and (011) 23827 (ROBR BR); Other locations: Sao Caetano do Sul, S.P.; Araucaria, P.R.
CONTACT PERSON: C.A. Walter or Jacques L. Rochat
MESA shortening, TRIVIAL cooking/salad oil.

S.A. MOINHOS RIO GRANDENSES (SAMRIG)
Rua da Conceicao, 195, Porto Alegre, RS, Ph. 24-1033; TLX: 028778 (SAMRIG PAE).
PRIMOR soy oil and margarine.*

CANADA

CANADA PACKERS INC.
95 St. Clair Ave. W., Toronto, Ontario M4V 1P2, Ph. 416-766-4311; TLX: 062-2257.
CONTACT PERSON: L.R.L. Symmes, Gen. Mgr.
Margarine, shortenting, cooking and salad oil.*

MONARCH FINE FOODS CO. LTD.
6700 Finch Ave. W., Rexdale, Ontario M9W 1G9, Ph. 416-675-1678; TLX: 06-989485.
CONTACT PERSON: J. Sernissi
Margarine, shortening, cooking and salad oil.*

VICTORY SOYA MILLS LTD.
333 Lake Shore Blvd. E., Toronto, Ontario M5A 1C2, Ph. 416-363-8771; TLX: 06-219812; CABLE: (VICTORY TOR).
CONTACT PERSON: B.S. Aitken, Gen. Mgr.
Degummed soybean oil and industrial oils.*

CHILE

WATT'S ALIMENTOS SAC e I
J.J. Prieto 10501, Santiago, Ph. 583625.
CONTACT PERSON: Carlos Larrain, Purch. Mgr.
LA SURENA, LA DANESA, LA REINA and CRUZ DE ORO margarines; LA REINA, BELMONT and CRUZ DE ORO cooking/salad oils.*

COLOMBIA

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS)
Aceites Del Tolima S.A., Carretera del Sur 57-21, Bogota, Ph. 30-50-55; TLX: 41368.
CONTACT PERSON: Guillermo Espinoso Soto, Gen. Mgr.
DAGUSTO and NIEVE margarine, LA SEVILLANA shortening and cooking/salad oil.*

GRASAS S.A.
Calle 11, No. 18-113, Apartado Aereo 85, Buga-Valle, Ph. 2021; TLX: 05866.
CONTACT PERSON: Alberto Angel Leon, Pres.
OLIOSOYA edible oil & LA GARZA shortening.*

GRASAS VEGETALES S.A.
Carerra 51, No. 49-59, Piso 10, Box 5002, Medellin; TLX: 06-797; Plant at: Sabaneta, Antioquia.
CONTACT PERSON: German Castillo Ramirez, Gen. Mgr.
Shortening, cooking/salad oil.

LLOREDA GRASAS S.A.
Autopista Cali-Yumbo Kilometro 3, Ph. 68211119; TLX: 055-711 (LLOGR CO).
CONTACT PERSON: Hugo Parra, Comm. Mgr.
NOVA margarine, MANTECALI shortening and OLEOCALI cooking and salad oils.*

DOMINICAN REPUBLIC

SOCIEDAD INDUSTRIAL DOMINICA
C. por A., Ave. Maximo Gomez, Apartado No. 726, Santo Domingo, Ph. 809-565-1323.
Soy oil.

ECUADOR

CIA. LTDA. "LA FABRIL"
Km. 5½, Via a Portoviejo, Manta, Ph. 610-091, 612-734; TLX: 04-6101 (FABRIL ED).
Shortening.

FABRICA DE ACEITES "LA FAVORITA" S.A.
Francisco Marcos 102, P.C. Box 486, Guayaquil, Ph. 402840.

CONTACT PERSON: Ernesto Noboa, Gen. Mgr.
DORINA and BONELLA margarine, PORKY shortening and LA FAVORITA and MAIZSOL cooking/salad oil.*

INDUSTRIAS ALES C.A.
Casilla 4808, Manta, Ph. 610470.
CONTACT PERSON: Wolf R. Harten, Mgr.
LA CORONA margarine, TRES CORONAS and LA REINA shortening and DOS CORONAS cooking/salad oil.*

OLEICA S.A.
Km. 6½, Via a Daule, Casilla 3228, Guayaquil, Ph. Conm. 351-300.
CONTACT PERSON: Ing. Luis Piana, Plant Mgr.
KLAR margarine, ALEGRIA shortening, LA PERLA cooking/salad oil.*

PHIDAYGESA
Km. 16½, Via a Daule, Guayaquil, Ph. 351555; TLX: 04-3506.
CONTACT PERSON: Emilio Baquerizo V., Pres.
ESPECIAL and ASTRA margarine; UNICA and LECHONCITA shortenings; UNICA and BRILLANTE cooking/salad oil.*

ENGLAND

S.D. MATTHEWS LIMITED
Healey Old Mills, Ossett, West Yorkshire, WF5 8NE, Ph. (0924) 272534; TLX: 55483 (Matgrp).
CONTACT PERSON: Alan West, Sales Dir.
Margarine.*

VAN DEN BERGHS AND JURGENS LIMITED
Sussex House, Burgess Hill, West Sussex RH15 9AW, Ph. (04446) 46300; TLX: 877381 (VDBJ BH G); Other locations: Purfleet, Essex; Bromborough, Cheshire; Greenock; Renfrewshire (Scotland); Needham Market, Suffolk.
CONTACT PERSON: B.P. Backlog
STORK, ECHO, BLUEBAND, FLORA, TOMOR, SUMMER COUNTY and KRONA margarine; COOKEEN, SPRY CRISP 'N DRY, VESOL and WHITE CAP shortenings; CRISP 'N DRY, SALADIN, FRYTOL and FLORA OIL cooking/salad oil.*

FEDERAL REPUBLIC OF GERMANY

FRITZ HOMANN LEBENSMITTELWERKE GmbH & CO. KG
4503 Dissen T.W., Ph. 05421-311; TLX: 94311.
Margarine, shortening, cooking, salad and soy oil.*

FINLAND

OY KASVIOLJY
21200 Raisio, Ph. 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
Soy oil.*

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX (SIO)
12 Rue du General De Gaulle, 62223 St. Laurent Blangy, B.P. 99-62223, Ph. (21) 59.98.00; TLX: 820580 (SIO).
CONTACT PERSON: Gerard Engrand, Plant Mgr.
Shortening.*

INDIA

LIBERTY OIL MILLS
302 Dalamal House, 206 Nariman Point, Bombay, 400 021 Maharashtra, Ph. 244445; TLX: 11 6189 (LIBO IN).
CONTACT PERSON: Parvez Kader, partner
CHANDA margarine, BUTLER and SAVERA cooking/salad oil.*

MANGLIAGAON (M.P.) GENERAL FOOD PTY LTD.
150, Jaora Compound, Indore 452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Refined soy oil.

PRABHAT SOLVENT EXTRACTION INDUSTRIES PRIVATE LIMITED
1st Flr., Sterling Apartments, Jawahar Road, Post Box No. 76, Rajkot, Gujarat, 360 001, Ph. 32951, Std. Code 0281; TLX: 0169 234 and 0169 286 (SWAD IN) and (PSEI IN); Other locations: Manavadar, Gujarat; Rajkot (Madhapar), Gujarat.
CONTACT PERSON: Navin D. Vadalia, Mgr.
SWAD cooking/salad oil.

VIKAS EXPORT INDUSTRIES
3, Gandhi Chambers, Gondal Rd., RAJKOT-2, Rajkot, Ph. 88971-88972; TLX: VEIR-281.
CONTACT PERSON: D.G. Patel
VIKAS margarine and cooking oil.*

IRAN

SHERKATE SAHAMI ROWGHAN NABATI JAHAN
15 Ave., Malekoshoara Bahar, Tehran 15, Ph. 838036; TLX: 214079 RNJ IR.
CONTACT PERSON: Hamid Ghazanfar
JAHAN shortening.*

ISRAEL

ETZ HAZAITH LTD.
P.O. Box 193, Petah-Tikua, Ph. 927171; TLX: 341859.
Margarine and shortening.

ITALY

GIACOMO COSTA FU ANDREA S.p.A.
Via Gabriele D'Annunzio 2, Genova, Ph. 010-54831; TLX: 270068 (COSTA I).
CONTACT PERSON: Lorenzo Costa
Soy oil.*

I.G.O.R. S.p.A.
Via Vilano 3, Orzinuovi, 25034, Ph. (030)

941761-2-3-4-5; TLX: 300054 (IGEAOR).
CONTACT PERSON: Zanisi Adriano, Pres.
VEGETALINA-MILDA GOLD margarine, FRYPALM shortening.*

S.I.O. CASTELFIORENTINO S.p.A.
Via Senese Romana, N. 275, Castelfiorentino (FI), 50051, Ph. (0571) 64 33 8; TLX: 570 072 (SIO CF I).
CONTACT PERSON: Luciano Zini, Mgr. Dir.
Cooking/salad oil.*

S.I.O. MODENA S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I).
CONTACT PERSON: Mario Bonfanti, Mgr. Dir.
OSCAR cooking/salad oil.*

JAPAN

AJINOMOTO CO. INC.
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo, Ph. 272-1111.
CONTACT PERSON: N. Mizoguchi, Plant Mgr.
HI-TONE shortening, tempura oil and salad oil.*

ASAHI YUSHI CO. LTD.
Higashi Asahikawa, Asahikawa City 070, Ph. 0166-36-1121.
Soy oil.

FUJI OIL CO., LTD.
Nissei Midosuji Hachimancho Bldg., 6-1 Hachimancho, Minami-ku, Osaka 542, Ph. 06-213-8151.
CONTACT PERSON: Fumio Yuasa, Head Soybean Buyer
Margarine, shortening, salad oil.

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3 Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
HOHNEN salad and tempura oil.*

MEIJI MILK PRODUCTS CO., LTD.
2-3-6, Kyobashi, Chuo-ku, Tokyo 104, Ph. 03-274-5198; TLX: 222-2404 (MEINYU J).
CONTACT PERSON: Sumio Yoshikawa, Dev. Plng.
TOAST margarine.*

NIKKA FATS & OILS CO. LTD.
5-16, 1-Chome, Edobori, Nishi-ku, Osaka, Ph. 06-441-7431.
CONTACT PERSON: H. Ishihara, Head, Osaka Branch
NIKKA salad and tempura oils.

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO sald oil and soy oil.

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923.
CONTACT PERSON: T. Okumori, Plant Mgr.
NISSHIN salad oil and dressing, BON-LAND margarine.*

SHOWA SANGYO CO. LTD.
2-1, 2-Chome, Uchikanda, Chiyoda-ku, Tokyo 101, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
SHOWA soy and salad oil.

KUWAIT

KUWAIT FLOUR MILLS CO. S.A.K
Jamal Abdulnasser St., P.O. Box 681 Safat, Kuwait, Ph. 841866; TLX: 22209 KT (MATAHEN).
CONTACT PERSON: Aslam Abbasi, Prod. Mgr.
DALAL shortening and cooking oil.*

MEXICO

ACEITES POLIMERIZADOS S.A.
Calzada Inguaran, P.O. Box 14779, Mexico 14, D.F., Ph. 577-39-23.
APOLO and CRISOL shortening and cooking/salad oil.

INDUSTRIAL ACEITERA S.A.
Km. 20½, Carretera, Cuautitlan, Aptdo. 182, Tlanepantla; TLX: 017-178656 IASAME.
CONTACT PERSON: Ing. Hector Garcia Padilla, Oper. Mgr.
COLON shortening, MARAVILLA, COLON and SORAYA cooking/salad oil.*

MOROCCO

LES HUILERIES DE MEKNES
Quartier Sidi Said B.P. 2021 Meknes, Ph. 05-314-82; TLX: 41034 (HUILMEK).
Table oils.

SOCIETE D'EXPLOITATION DES PRODUITS OLEAGINEUX (SEPO)
2, Rue du Caporal Corbi a Casablanca (R N.), B.P. 3094, Ph. 24-10-96; TLX: 25-076.
Soy oil.

NETHERLANDS

ROTTERDAMSCHE MARGARINE INDUSTRIE ROMI B.V.
Postbus 20, 3130 AA Vlaardingen, Ph. (010) 340 311; TLX: 25770 ROMI NL.
CONTACT PERSON: D.M. Talmon
Refined and hydrogenated soybean oils, shortenings.*

PERU

COMPANIA OLEAGINOSA DEL PERU S.A.
Apartado 2965, Lima 1, Ph. 52-5570.
CONTACT PERSON: Carlos Castro, Mgr. Dir.
Margarine, shortening and salad oil.*

SCOTLAND

CARDOWAN CREAMERIES LIMITED
Holywell Street, Glasgow, U.K., G31 4BT, Ph. (041) 5541137.
CONTACT PERSON: A.B. Kyle, Man. Dir.
KING COLE margarine and shortening; FRYBEX cooking/salad oil.*

SPAIN

ACEITES Y PROTEINAS S.A. (ACEPROSA)
Repelega, Portugalete (Vizcaya), Ph. 94-425-45-00; TLX: 32753.
Soy oil.*

ACEITERIAS REUNIDAS DE LEVANTE S.A.-ARLESA
P°de la Castellana, 143-8°p., Madrid 16, Ph. 279-63-00; Plants at: Valencia and Sevilla.
Soy oil.*

ARLESA-EXISA
Carretera del Copero, S/N, Punta del Verde, Sevilla, Ph. 61-02-00; TLX: 27784.
Soy oil.*

COMPANIA INDUSTRIAL Y DE ABASTECIMIENTOS, S.A.
Avda. de los Madronos No. 31, Madrid 33, TLX: 56509 (SILOE); 44374 (CINDOE); 22080 (DINSOE).
CONTACT PERSON: Javier Losantos, Undergen. Mgr.
CINDO-AMPUR cooking/salad oil.*

TAIWAN

ALL SINCERE INDUSTRIAL CO. LTD. (ASIC)
38 Chung Shan Rd., Luchu, Kaohsiung 821, Ph. 064-862201.
CONTACT PERSON: C.H. Tsai, Pres.
Salad oil.*

CHIA FHA INDUSTRY CO. LTD.
29 Tattung Shalu, Taichung, Ph. 046-223221.
CONTACT PERSON: Wuu Shyong Lin, Oil Plan Mgr.
LUCKY cooking/salad oil.*

CHIA HSIN FLOUR & VEG. OIL CORP.
1-Teh Li, Peitou, Taipei, Ph. 02-8912253.
CONTACT PERSON: C.S. Chang, Plant Supt.
CHIA HSIN salad oil and soy oil.*

CHUAN YUAN OIL MILL CO. LTD.
117 Hweilai St., Chang Hwa (Yuanlin) 510, Ph. 048-323464.
CONTACT PERSON: S.F. Liang, Oil & Meal Sales Mgr.
Mayonnaise, refined soy oil and CHUAN YUAN salad oil.*

EAGLE FOOD INDUSTRY CORP.
12th Floor 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7811161-69.
CONTACT PERSON: I.C. Soo, Plant Mgr.
EAGLE soy and salad oil.*

GREAT WALL ENTERPRISES CO. LTD.
8th Floor, 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7315761-5.
CONTACT PERSON: S.C. Yang, Factory Mgr.
GREAT WALL cooking/salad oil.*

HSIAOKANG SUGAR MILLS, TSC
25 Paoching Rd., Taipei, Ph. 02-3110521; Plant at: Kaohsiung.
CONTACT PERSON: S.N. Wu, Plant Mgr.
TAITANG salad oil.*

HUIE SHENG OIL MILL CO. LTD.
102 Wenshan, Wenshan Li, Miaoli, Ph. 037-320826; Plant at: Kaohsiung (Luchu).
CONTACT PERSON: S.Y. Wang, Pres.
SHENG-LI soy and salad oil.

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang, Ph. 062-532121.
CONTACT PERSON: George Yang, Plt. Mgr.
PRESIDENT margarine, shortening and cooking/salad oil.*

TAI HWA OIL INDUSTRIAL CO. LTD.
37 Lane 67, Linsheng N. Rd., Taipei, Ph. 02-5110121.
GOLD soy and salad oil.*

TAY SHAN ENTERPRISE CO. LTD.
No. 501, Sec. 2, Fuchiung Rd., Yuanlin, Chang Hwa, Ph. 048-322122; Other location: Taipei.
CONTACT PERSON: James T. Chan. Pres.
TAY SHAN soy and salad oils.*

THAILAND

INDUSTRIAL ENTERPRISES CO. LTD.
179 Surawongse Rd., Bangkok, Ph. 2354855-9. Plant at: Pak Kret, Nonthaburi.
CONTACT PERSON: Viraj Sasivongbhakdi, Dep. Mgr. Dir.
TIP cooking/salad oil.*

TURKEY

SUMERBANK ORDU SOYA SANAYII MUESSESESI
Aff. of Sumerbank, Ordu, Ph. 1420; TLX: 82168 (SUSO TR).
SUMERBANK soy oil.*

UNITED ARAB EMIRATES

UNITED FOODS LIMITED
Al-Owais Building, 104 Flat, Naser Square, P.O. Box 5503, Deira, Dubai, Ph. 9714-223214/5/6; TLX: 46689 (VEGOIL EM).
CONTACT PERSON: Naseem Husain, Mgr. Plng.
ASEEL shortening and MUMTAZ cooking/salad oil.*

VENEZUELA

C.A. FACEGRA
Av. Navas Spinola, c/c Farriar - Apdo. No. 1, Valencia, Carabobo, Ph. (045) 71.13.30, 71.11.27, 71.11.52 or 71.48.70; TLX: 41171.
CONTACT PERSON: Saul Hernandez Yanez, Gen. Plant Mgr.
ACEITE EL REY cooking/salad oil.*

COROIL, C.A.
Avenida Lisboa, Quinta Costa Brava La California Norte, Caracas, Miranda, 61313, Ph. (58) 21-52-24 or 21-84-35; TLX: 24946 Coroi VC.

CONTACT PERSON: Antonio Navarro Mendez, Pres.
Margarine, shortening and cooking/salad oil.

SOY SAUCE

UNITED STATES

GREAT CHINA FOOD PRODUCTS CO.
2520-58 S. State St., Chicago, IL 60616, Ph. 312-225-8600.
CONTACT PERSON: Yook Lam, Pres.
Soy sauce.

KIKKOMAN INTERNATIONAL INC.
50 California St., Suite 3600, San Francisco, CA 94111, Ph. 415-956-7750.
CONTACT PERSON: Kaz Takei, VP Inst. & Ind. Sales
Soy sauce, teriyaki sauce, meat marinades and powdered soy sauce.

MANDARIN SOY SAUCE INC.
419 North St., Middletown, NY 10940, Ph. 914-343-1505.
CONTACT PERSON: Wen-Chau Chiu, Pres.
WAN JA SHAN soy sauce.

S.E. RYKOFF & CO.
737 Terminal St., Los Angeles, CA 90021, Ph. 213-622-4131.
Soy ssauce.

SAN-J INTERNATIONAL INC.
Subsidiary of San-jirushi Corp., 3236 Blvd., Colonial Heights, VA 23834, Ph. 804-520-1513.
CONTACT PERSON: Michael Fountain, Mktg. Mgr.
SAN-J TAMARI soy sauce.*

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Soybean and corn hydrolyzates and flavoring.*

JAPAN

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO-MAME soy meal for soy sauce and miso.

KOREA

SAMPYO FOODS CO., LTD.
647-2 Chang-Dong, Dobong-Gu, Seoul, Ph. 992-7111-7.
CONTACT PERSON: Wan Sik Kim, Mgr. Dir.
Soy sauce.*

MALAYSIA

YEO HIAP SENG (Malaysia) BERHAD
7 Jalan Tandang, P.O. Box 229, Petaling Jaya, Selangor, Ph. 573733; TLX: 37544 (YHS MA).
CONTACT PERSON: Mrs. C.K. Lo, Purch. Mgr.
YEO's Soy Sauce.

MEXICO

GLUCOSA S.A.
Naranja 159, Naucalpan, Ph. 576-23-33.
Soy sauce.

SINGAPORE

THE AMOY CANNING CORP. (SINGAPORE) LTD.
13 KM Bukit Timah Rd., Singapore, Ph. 663566
Soy sauce.

YEO HIAP SENG LTD.
950 Dunearn Rd., Singapore 2158, Ph. 662266; TLX: RS 22143.
CONTACT PERSON: Joseph Yeo, Export Mgr.
Soy sauce.*

TAIWAN

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang 711, Ph. 062-232-1717.
CONTACT PERSON: S.L. Wu, H.M. Kao or L.W. Lin
PRESIDENT soy sauce.*

WAN-JIA-SHIANG BREWERY CO. LTD.
80-1, Hope St., Sanchung, Taipei 241, Ph. 02-981-13183.
WAN JA SHAN soy sauce and canned foods.*

WEI WONG FERMENTATION INDUSTRIAL CO., LTD.
9th Flr., No. 79, Chungshan N. Rd., Sec. 2, Taipei, 104, Ph. (02) 571-7271; TLX: 19581 (FERMENT); Other locations: Shulin, Taipei; Sanchung; Yunlin.
Wei Wong soy sauce.

WEI-CHUAN FOODS CORP.
125 Sunchiang Rd., Taipei, Ph. 02-541-8221; Plant at: No. 518, Chung-Hsin Rd., Sec. 5, San-Chung City 241, Ph. 02-982-1119.
Soy sauce, flavoring agent, dairy products and canned foods.

THAILAND

THAI THEPAROS FACTORY R.O.P.
206 M006, Taiban Rd., Samutpragarn, Ph. 3950177.
CONTACT PERSON: Somsakdi Vacharothayangul
Soy sauce.

SOYBEANS, CANNED

UNITED STATES

LOMA LINDA FOODS
Riverside, CA 92515, Ph. 714-687-7800.
CONTACT PERSON: Oliver Miller, VP R & D
BOSTON-STYLE Soybeans and GREEN Soybeans.*

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

JAPAN

NIKKO OIL MILLS CO. LTD.
Kanda-Ogawamachi 2-12 Chiyoda-ku, Tokyo, Ph. 03-233-3960; TLX: 222-4940.
CONTACT PERSON: F. Nonaka, Mgr. Dir.
NIKKO-SENBETSU-DAIZU selected soybeans for tofu.

SOYBEANS FOR COOKING AND SPROUTING

UNITED STATES

AMERICAN FARMERS MARKETING COOPERATIVE
411 Commerce St., P.O. Box 224, Clarksville, TN 37040, Ph. 615-552-3846; TLX: 898388 (AB AEMPOWER WHEN).
Specialty beans for sprouts, soyfoods.

JAMES E. DUNN GRAIN SERVICES, INC.
714 West First St., Cedar Falls, IA 50613, Ph. 319-277-7202; TLX: 465650.
CONTACT PERSON: James E. Dunn,Pres.
Supplier of soybeans for cooking, sprouting and tofu.

GLOBAL NUTRAMEAL, INC.
R.R., Box 6122, Spirit Lake, IA 51360, Ph. 712-337-3376.
CONTACT PERSON: Kirk Stauss, Pres.
NUTRAMEAL nutritional food.

INARI, LTD.
2331 Forest Rd., Lansing, MI 48910, Ph. 517-882-3323; TLX: 229440 (MICH AGRI LSG).
CONTACT PERSON: Leonard M. Stuttman, Pres.
SUPER SOY and SOLAR SOYA.

THE MIAMI MARGARINE CO. FOOD SERVICE DIV.
5226 Vine St., Cincinnati, OH 45217, Ph. 513-242-2310.
CONTACT PERSON: Paul R. Horton, Mgr. Food Serv.
Soybeans for cooking and sprouting.

MIDWEST SOYA INTERNATIONAL INC.
814 N. Fifth, Clear Lake, IA 50428, Ph. 515-357-6131.
CONTACT PERSON: Kim Pleggenkuhle
MSI brand soybeans.

NOMURA TOFU CO., INC.
2904 W. Fullerton, Chicago, IL 60647, Ph. 312-486-7224/5.
CONTACT PERSON: William Woo, Pres.
Soybeans for cooking and sprouting.

PACIFIC SOYBEANS & GRAIN
495 De Haro St., San Francisdo, CA 94107, Ph. 415-863-0867.
CONTACT PERSON: Daniel J. Burke, Pres.
Soybeans for cooking and sprouting.

PRO-SEED, INC.
236 Sugar St., Box 55, Blissfield, MI 49228, Ph. 517-486-3520.
CONTACT PERSON: Ronald Jacob, VP
Soybeans for cooking and sprouting.

J.M. SCHULTZ SEED COMPANY
105 Pine St., Dieterich, IL 62424-0211, Ph. 217-925-5212; TLX: 910 663 2660 (SCHULTZ DTRK); Other plants: Beardstown, IL; Paris, IL; Woodburn, IN; Ashland, OH.
CONTACT PERSON: Jack Schultz, Pres.
Soybeans for cooking and sprouting.

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Farm, Heath Rd., Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

STRAYER SEED FARMS INC.
Hudson, IA 50643, Ph. 319-988-3640.
CONTACT PERSON: Dennis Strayer, owner
PRIZE, VINTON, and JADE varieties for cooking, baking and foods manufacturing. CORSOY for sprouting. Mechanical splitting available.

ECUADOR

PHIDAYGESA
Km. 16½ Via a Daule, Guayaquil, Ph. 351555; TLX: 04-3506.
CONTACT PERSON: Emilio Baquerizo V., Pres.*

ENGLAND

SOYA FOODS LTD.
New Malden House 1, Blagdon Rd., New Malden Surrey KT3 4TB, Ph. 01-949-2141; TLX: 896660.
CONTACT PERSON: R.J. Woodfield, Prod. Grp. Mgr.
Soybeans for cooking & roasting.*

SINGAPORE

YEO HIAP SENG LTD.
950 Dunearn Rd., Singapore 2158, Ph. 662266; TLX: RS 22143.

CONTACT PERSON: Joseph Yeo, Export Mgr.
Soybeans for cooking and sprouting.*

SOYBEANS, ROASTED

UNITED STATES

EDIBLE SOY PRODUCTS, INC.
7th and Hwy. 63, Hudson, IA 50643, Ph. 319-988-3221.
CONTACT PERSON: West Coast - Roger Graessle; East Coast - Robert Greenberger; Midwest -Miller Rowe
Dehulled toasted soybeans, soybean halves, roasted PRO-NUTS, diced and toasted soybeans - 88% polyunsaturated fat and 10 essential amino acids, no solvents used.

HI-PRO PRODUCTS, INC.
1605 John St., Fort Lee, NJ 07024, Ph. 201-944-2650; Plant at: Lakeville, MN.
CONTACT PERSON: Jeanne Dubos, Acct. Mgr.
SOYTOWN and SOY AHOY roasted soynuts, salted, unsalted and barbecue flavored.

INARI, LTD.
2331 Forest Rd., Lansing, MI 48910, Ph. 517-882-3323; TLX: 229440 (MICH AGRI LSG).
CONTACT PERSON: Leonard Stuttman, Pres.
Whole roasted soynuts from identity preserved soybeans. Salted, unsalted, onion-garlic, barbecue, smoky, and pizza flavored. Candied soynuts: yogurt, carob and toffeed. SUPER SOY and SOLAR SOY brands.

MIDWEST SOYA INTERNATIONAL INC.
814 N. 5th, Clear Lake, IA 50428, Ph. 515-357-6131.
CONTACT PERSON: Kim Pleggenkuhle
MSI Brand soybeans.

PIONEER SPECIALTY FOODS
P.O. Box 1568, Fargo, ND 58107, Ph. 701-282-2397.
CONTACT PERSON: Rich Waro, Sales
Roasted and salted snack soybeans, soy flour, soy protein and soybeans for human consumption.

SOYFOODS ASSOCIATION OF NORTH AMERICA
Sunrise Farm, Heath Rd , Colrain, MA 01340, Ph. 413-624-5591.
CONTACT PERSON: Richard Leviton, Exec. Dir.
The trade association of soy dairies and tofu, tempeh and miso shops in North America.

FEDERAL REPUBLIC OF GERMANY

INTERFOOD DEUTSCHLAND GmbH DIV.
Interfood Luxemburg SAH, 6380 Bad Homburg, Goldgrubenstr. 6A, Ph. 06172/22049; TLX: 0415840.
CONTACT PERSON: Hans D. Kneer, Mgr. Dir.
PRO-NUTS roasted soybeans.

STERN-CHEMIE
Volkmar Wywiol, An der Alster 81, D-2000 Hamburg 1, Ph. 040/24 64 51, 040/24 64 52-53; TLX: 2 162 052 star d.
CONTACT PERSON: Volkmar Wywiol
Sternnuts, whole and sliced roasted soynuts, flavored and salted, brittle and all other soy protein grades and lecithin specialties.*

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Pro. Dir.
Roasted Soybeans.*

HOLLAND

SOLNUTS B.V.
Swaardvenstraat 41, P.O. Box 5066, 5004 EB Tilburg, Ph. 013-68-4991; TLX: 52654 (SOLNU NL).
CONTACT PERSON: H. Stolk, Export Mgr.
SOLNUTS, roasted soybeans.*

TOFU MANUFACTURERS & SOY DAIRIES

UNITED STATES

AZUMAYA INC.
1575 Burke Ave., San Francisco, CA 94124, Ph. 415-285-8500.
CONTACT PERSON: Jack Mizono
Tofu.

MRS. CHENG'S SOYBEAN PRODUCT INC.
1829 E. Palolo Ave., Honolulu, HI 96816, Ph. 808-737-5751.
CONTACT PERSON: Hui Chen Cheng, Pres.
MRS. CHENG'S tofu.

DAIRYLAND PRODUCTS INC.
5345 W. 125th St., Savage, MN 55378, Ph. 612-890-5305.
CONTACT PERSON: Thomas C. Sando, Pres.
MELOTEIN soy dairy.

C.R. FOOD
1701 E. 7th St. Los Angeles, CA 90021, Ph. 213-622-0556/9; TLX: 69 8622 (D Y IMPT LSA).
CONTACT PERSON: Peter Kang, Pres.
C.R. brand tofu.

LAND O'LAKES INDUSTRIAL SALES
P.O. Box 1087, Eau Claire, WI 54701, Ph. 715-835-2221.
CONTACT PERSON: Steve Jankowiak
Dairy soy blends.

MANDALAY FOOD PRODUCTS INC.
450 Broome St., New York, NY 10013, Ph. 212-966-0338.
CONTACT PERSON: John Tun, Mgr.
Tofu.

MATSUDA-HINODE TOFU CO.
526 Stanford Ave., Los Angeles, CA 90013, Ph. 213-624-3615.
CONTACT PERSON: Phyllis Friar

NEW ENGLAND SOY DAIRY
305 Wells St., Greenfield, MA 01301, Ph. 413-772-0746.
CONTACT PERSON: Tom Timmins, Pres.
SHORES; soy dairy.

NOMURA TOFU CO., INC.
2904 W. Fullerton, Chicago, IL 60647, Ph. 312-486-7224/5.
CONTACT PERSON: William Woo, Pres.
NOMURA tofu.

QUONG HOP & CO.
161 Beacon St., South San Francisco, CA 94080, Ph. 415-952-TOFU.
CONTACT PERSON: Jim Miller, Dir. Mktg. & Sales, or Stanley Lee
Tofu mfg. including: wine fermented tofu; nigari tofu and soymilk; tofu burgers, dressing, and salad; Ice Delight (frozen non-dairy dessert); Savory baked tofu; tofu cutlets, tofu frozen continental entrees (French & Italian), QUONG HOP and NEW LEAF tofu quiche, ravioli, "wholly tofu cannoli."

THE SOYFOODS CENTER
P.O. Box 234, Lafayette, CA 94549, Ph. 415-283-2991.
CONTACT PERSON: Bill Shurtleff
Source of publications and information on tofu, soymilk, miso, tempeh and other low-technology soyfoods; consulting done concerning these industries and starting these businesses.

TOKYO FOOD PROCESSING CORP.
40 Varick Ave., Brooklyn, NY 11237, Ph. 212-456-8805.
Tofu.

WY KY INC.
235-237 San Fernando Rd., Los Angeles, CA 90031, Ph. 213-222-0779.
CONTACT PERSON: William Lee, Pres.
WY KY tofu.

INDIA

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
PRESTIGE soy dairy.*

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Ph. (049) 629011; TLX: 430145 (GIPAI).
CONTACT PERSON: Axel Skulte, Pres.
Soy dairy.*

JAPAN

MEIJI MILK PRODUCTS CO., LTD.
2-3-6, Kyobashi, Chuo-ku, Tokyo 104, Ph. 03-274-5198; TLX: 222-2404 (MEINYU J).
CONTACT PERSON: Sumio Yoshikawa, Dev. Plng.
SOYA MEAL soy dairy.*

KOREA

DR. CHUNG'S FOOD COMPANY
194-24-1-Ka, Hoehyun-dong, Choon-Ku, Seoul, Ph. 777-7421.
CONTACT PERSON: Chung Sung Soo, VP
URIAN soy dairy.*

MALAYSIA

YEO HIAP SENG (Malaysia) BERHAD
7 Jalan Tandang, P.O. Box 229, Petaling Jaya, Selangor, Ph. 573733; TLX: 37544 (YHS MA).
CONTACT PERSON: Mrs. C.K. Lo, Purch. Mgr.
YEO's Soy Drink.

TAIWAN

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang 711, Ph. 532121.
CONTACT PERSON S.L. Wu, H.M. Kao or L.W. Lin
PRESIDENT soy dairy.*

THAILAND

KICKAPOO (THAILAND) CO., LTD.
3532 Sukhumvit Rd., Bangna, Bangkok 26, Ph. 393-0576, 393-1202.
CONTACT PERSON: Thiva Chiraphadhanakul
LACTASOY soy dairy.

WHIPPING AGENTS

UNITED STATES

S.E. RYKOFF & CO.
737 Terminal St., Los Angeles, CA 90021, Ph. 213-622-4131.

A.E. STALEY MFG. CO.
Protein Div., Gunther Products, P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411; Plant at: Galesburg, IL, Ph. 309-342-0119.
GUNTHER whipping and foaming agents for food and industrial use.

ITALY

LUCAS MEYER S.R.L.
Via Venezia 34, Vigona (PD), 35010, Ph. (049) 629011; TLX: 430145 (GIPAI).
CONTACT PERSON: Axel Skulte, Pres.
Whipping agents.*

NETHERLANDS

NITICEL B.V.
Sluisstraat 57, P.O. Box 16, Musselkanaal, Ph. 05994 6599; TLX: 53220 tenka nl.
CONTACT PERSON: A. Grooten, Dir.
Whipping agents.*

industrial product manufacturers

*Updated listing of non-U.S. firm

ADHESIVES/COATINGS

UNITED STATES

ARCHER DANIELS MIDLAND CO.
4666 Faries Pkwy., Decatur, IL 62526, Ph. 800-637-5850.
KAYSOY industrial soy flours, soybean proteins for paper and paperboard laminating.

COLUMBUS COATED FABRICS CO.
Div. Borden Chemical, Borden, Inc., 7th & Grant Ave., Columbus, OH 43216, Ph. 614-225-6060.
Plastic sheeting, calendered film, coated fabrics and upholstery materials.

DURKEE FOODS DIV. SCM CORPORATION
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000; Other locations: Lafayette, CA; Chicago, IL; New York, NY.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Adhesives/coatings.

HENKEL CORPORATION
4620 W. 77th, Minneapolis, MN 55435, Ph. 612-830-7873.
CONTACT PERSON: W. Jack Fullen, Prod. Mgr.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56002, Ph. 507-625-7911.
CONTACT PERSON: Ed Senska
Glues, plywood adhesives.

RALSTON PURINA CO.
Polymer Div., Checkerboard Square, St. Louis, MO 63164, Ph. 800-325-7137.
CONTACT PERSON Paul Mitchell, Dir. Polymer Mktg.
PRO-COTE proteins for board, wallpaper and paper coatings, on and off machine at all solids level, sizing, calender and size press, paints pigment dispersants, printing inks, joint cements and water putties, general coatings and adhesives. PRO-COTE and PURINA POLYMER for use in water resistant laminating, corrugating and tube winding adhesives. Sizes and tile coatings, texture paints and topping cements and general water resistant adhesive applications.

SPENCER KELLOGG DIV. TEXTRON INC.
Buffalo, NY 14240, Ph. 716-852-5850.
CONTACT PERSON: Richard Punnett, Dir. Commodity Prod.
Adhesives/coatings.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Soy products for use in manufacturing of plywood adhesives.

AUSTRALIA

MEGGITT LIMITED
P.O. Box 199, Parramatta 2150 NSW, Ph. 638 4466; TLX: AA70 851 (MEGCAM).
CONTACT PERSON: A.D. Rector, Chief Exec.
Adhesives/coatings.*

BRAZIL

MINASA
Caixa Postal 1101, Campinas, S.P. 13.100, Ph. (1092) 42-1966; TLX: 019-1043 (MINABR); Other locations: Araraquar , SP; Araponga , PR; Itumbiara, GO.
CONTACT PERSON: John B. Sieh, Gen. Mgr.
Adhesives/coatings.*

FINLAND

OY KASVIOLJY
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
Adhesives/coatings.*

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Vijay Kumar Jindal
Adhesives/coatings.

JAPAN

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3 Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
Synthetic resin adhesives.*

SHOWA SANGYO CO. LTD.
2-1, 2-Chome, Uchikand , Chiyoda-ku, Tokyo 101, Ph. 257-2020.
CONTACT PERSON: T. Ena, Mgr. Dir.
SHOWA soybean glue.

INDUSTRIAL LECITHIN

UNITED STATES

CENTRAL SOYA
Chemurgy Div., 1300 Ft. Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5181; TLX: 276170 CENSOYA FWA A.
CONTACT PERSON: Willis Clark, Gen. Mgr.
Soy lecithins, a complete line of natural, modified grades for industrial, food and pharmaceutical fields.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56002, Ph. 507-625-7911.
CONTACT PERSON: Dave Schostag
Industrial lecithin.

LUCAS MEYER INC.
Div. Lucas Meyer Hamburg, 765 E. Pythian Ave., Decatur, IL 62526, Ph. 217-875-3660; TLX: 40-4387.
Soy lecithin in modified and deoiled grades for industrial applications.

RALSTON PURINA CO.
Soybean Div., Checkerboard Square, St. Louis, MO 63188, Ph. 800-325-7136.
PUR-A-LEC lecithins; standard plastic and fluid grades, unbleached, as emulsifiers and dispersants.

RICELAND FOODS
2120 S. Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Industrial lecithin.

ROSS & ROWE
Div. of Archer Daniels Midland Co., P.O. Box 1409, Decatur, IL 62525; Other location: Elizabeth, NJ.
CONTACT PERSON: Lynn Adolphson, Mgr.
Mfg. of R&R 551 Interface Modifier for latex, PVA and acrylic emulsion paints, manufacturer of the complete line of YELKIN lecithin products for oil base paints.

SPENCER KELLOGG DIV.
TEXTRON INC.
Buffalo, NY 14240, Ph. 716-852-5850.
CONTACT PERSON: Richard Punnett, Comm. Prod. Mgr.
Manufacturer of KELECIN F for solvent systems and KELECIN 1081 water dispersible lecithin.

A.E. STALEY MFG. CO.
Refined Oil Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
CONTACT PERSON: L.P. McNamara, Sales Mgr., Ref. Oil
STA-SOL soy lecithin, bleached and unbleached fluid grades, water dispersible grades available.

BELGIUM

N.V. VAMO MILLS
Prins Albertlaan 12, 8700 Izegem, Ph. 051-30-22-22; TLX: 81622; Other locations: Gent and Merksem.
CONTACT PERSON: Fred Deroost, Gen Mgr.
Industrial lecithin.*

BRAZIL

COMPANHIA MOGIANA
DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: S. Ferraz Pires, Asst. Dir.
Industrial lecithin.

FAROL S.A.-
IND. GAUCHA DE FARELOS E OLEOS
Ave. Borges de Medeiros 659 – 12th Flr., Porto Alegre, RGS, 90000, Ph. 512-33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Industrial lecithin.*

CANADA

CANADA PACKERS INC.
CHEMICAL DIV.
5100 Timberlea Blvd., Mississauga, Ontario L4W 2S5, Ph. 416-624-7000.
Industrial lecithin.

CANADIAN VEGETABLE OIL PROCESSING
Div. Canada Packers Inc., Victoria Ave. & Burlington St., Hamilton, Ontario, Ph. 416-527-9121; TLX: 061-8315.
CONTACT PERSON: George Vinall, Gen. Mgr.
Industrial lecithin.*

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Windsor, Ontario.
CONTACT PERSON: Be Nijhuis, Indus. Oil Mgr.
Industrial lecithin.*

COLOMBIA

LA AMERICANA GRASAS Y
ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706.
CONTACT PERSON: Luis Santamaria, Admin.
Industrial lecithin.*

GRASAS VEGETALES S.A.
Carerra 51, No. 49-59, Piso 10, Box 5002, Medellin; TLX: 66-797; Plant at: Sabaneta, Antioquia.
CONTACT PERSON: German Castillo Ramirez, Gen. Mgr.
Industrial lecithin.*

FEDERAL REPUBLIC
OF GERMANY

LUCAS MEYER GmbH
Ausschlaeger Elbdeich 62, Hamburg 28, Ph. 781-701.
Lecithin products for technical applications. Fluid, deoiled and fractionated grades.*

NATTERMANN CHEMIE GmbH
Nattermannallee 1, D-5000 Koln 30, Ph. 509-1; TLX: 8881928.
Lecithin products for the industrial field. Natural, modified, fractionated and oil-free lecithin.*

FRANCE

SOCIETE INDUSTRIELLE
DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
Industrial lecithin.*

HAITI

SODEXOL S.A.M.
P.O. Box 13460, Delmas, Port au Prince, Ph. 2-4885, 2-4886; TLX: 2030171 (ACIERIE).
CONTACT PERSON: Eliezer Bashan
Industrial lecithin.*

INDIA

MANGLIAGAON (M.P.)
GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.

CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Industrial lecithin.

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Industrial lecithin.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Industrial lecithin.

ISRAEL

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Industrial lecithin.

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Ph. 04-670491; TLX: 46776 (KFood IL).
CONTACT PERSON: Z. Neumann, Mktg. Dir.
Industrial lecithin.*

ITALY

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. I.C.I.C.
Molo Sud, Zona Industriale, ANCONA Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: F. Cornacchioli, Ind. Oil Sales Mgr.
Industrial lecithin.

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Industrial lecithin.*

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA
Via L. da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Industrial lecithin.*

S.I.O. RAVENNA S.p.A.
Via Farini N. 56, Modena, 41100, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant at: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr. Dir.
Industrial lecithin.*

JAPAN

TOYO OIL MILLS CO. INC.
Subsidiary of Ajinomoto Co. Inc., Tokyo; 230 Shinminato, Chiba-Shi 260, Ph. 0472-41-1251.
CONTACT PERSON: N. Tachikawa, Supt.
Industrial lecithin.*

KOREA

CHEIL SUGAR CO. LTD.
23rd Flr., Samsung Main Bldg. 250, 2-Ka, Taepyung-Ro, Chung-Ku, Seoul, Ph. 28-7533; TLX: K23762.
CONTACT PERSON: M.Y. Yoo, Plant Mgr.
Industrial lecithin.*

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 KOSADB; Plant at: Jin Hae, Kyung Nam.
CONTACT PERSON: Myoungsoo Shin, Pres.
Industrial lecithin.

MEXICO

ACEITERA MATAMOROS, S.A. DE C.V.
Ave. Uniones S/N, Zona Industrial, H. Matamoros, Tamaulipas, C.P. 87310, Ph. 891-3-89-42/43/59.
CONTACT PERSON: Lic. Pablo R.P. Garcia, Mgr.
Industrial lecithin.*

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Planning Dir.
Industrial lecithin.*

NETHERLANDS

NITICEL B.V.
Sluisstraat 57, P.O. Box 16, Musselkanaal, Ph. 05994-6599; TLX: 53220 (TENKA NL).
CONTACT PERSON: A. Grooten, Dir.
Industrial lecithin.*

UNIMILLS B.V.
Lindtsedijk 8, 3336 LE Zwijndrecht, Ph. 078-125144; TLX: 29031 (UMIL NL).
Industrial lecithin.*

NORWAY

A/S DE-NO-FA OG LILLEBORG FABRIKER
Sandakerveien 56, Oslo, Ph. 22-00-50; TLX: 71181; Plant at: Fredrikstad.
CONTACT PERSON: Morten Hanevold
Industrial lecithin.*

TAIWAN

GREAT WALL ENTERPRISES CO. LTD.
8th Flr., 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7315761-5.
CONTACT PERSON: S.C. Yang, Mgr.
Industrial lecithin.*

PRESIDENT ENTERPRISES CORP.
2-20 Yan Harng, Tainan Yungkang 711, Ph. 532121.
CONTACT PERSON: George Yang, Plant Mgr.
Industrial lecithin.*

TURKEY

SUMERBANK ORDU SOYA SANAYII MUESSESESI
Aff. of Sumerbank, Ordu, Ph. 1420; TLX: 82168 (SUSO TR).
Raw lecithin.*

VENEZUELA

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA)
Protinal CA, P.O. Box 83, Valencia, Ph. 34 20 11; Plant at El Morro, Valencia.
CONTACT PERSON: Ing Omar Hernandez
Industrial lecithin.*

INDUSTRIAL SOY FLOUR

UNITED STATES

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-6090.
Industrial soy flour.

CENTRAL SOYA
Chemurgy Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5508; TLX: 27-61-70 (CENSOYA FWA A).
CONTACT PERSON: William Campbell, Mgr. Dom. Meal & Oil
Defatted soy flour, PROSOY L.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56002, Ph. 507-625-7911.
CONTACT PERSON: Ed Senska
Manufacturer of Lamisoy industrial soy flour.

A.E. STALEY MFG. CO.
Protein Div., P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Staley's extracted soy flours with 15-90-PDI range.

BELGIUM

N.V. VAMO MILLS
Prins Albertlaan 12, 8700 Izegem, Ph. 051-30-22-22; TLX: 81622; Other locations: Gent and Merksem.
CONTACT PERSON: Fred Deroost, Gen. Mgr.
Industrial soy flour.*

BRAZIL

COMPANHIA MOGIANA DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
Industrial soy flour.

FAROL S.A.-IND. GAUCHA DE FARELOS E OLEOS
Ave. Borges de Medeiros 659 – 12th Flr., Porto Alegre, RGS, 90000, Ph. 512-33-79-88; TLX: 51-1732 (STEF BR); Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Industrial soy flour.*

COLOMBIA

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706.
CONTACT PERSON: Luis Santamaria, Admin.
Industrial soy flour.*

FINLAND

OY KASVIOLJY
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
Industrial soy flour.*

FRANCE

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
Industrial soy flour.*

HAITI

SODEXOL S.A.M.
P.O. Box 13460, Delmas, Port au Prince, Ph. 2-4885, 2-4886; TLX: 2030171 (ACIERIE).
CONTACT PERSON: Eliezer Bashan
Industrial soy flour.*

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, Ph. 270 and 292.
CONTACT PERSON: Vijay Kumar Jindal
Industrial soy flour.

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Industrial soy flour.*

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Industrial soy flour.*

VED BRAT & CO.
39C Prem House, Connaught Pl., New Delhi 110 001, Ph. 352761 or 615100.
CONTACT PERSON: V. Brat, Pres.
Industrial soy flour.

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Are , A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Industrial soy flour.

ISRAEL

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Industrial soy flour.

ITALY

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Industrial soy flour.*

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA
Via L da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Industrial soy flour.*

S.I.O. RAVENNA S.p.A.
Via Farini N. 56, Modena, 41100, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant in: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr. Dir.
Industrial soy flour.*

KOREA

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 (KOSADB); Plant at: Jin Hae, Kyung Nam.
CONTACT PERSON: Myoungsoo Shin, Pres.
Industrial soy flour.

MEXICO

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Planning Dir.
Industrial soy flour.

TAIWAN

GREAT WALL ENTERPRISES CO. LTD.
8th Flr., 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7315761-5.
CONTACT PERSON: S.C. Yang, Mgr.
Industrial soy flour.*

VENEZUELA

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA)
Protinal CA, P.O. Box 83, Valencia, Ph. 34 20 11; Plant at: El Morro, Valencia.
CONTACT PERSON: Ing. Omar Hernandez
Industrial soy flour.*

INDUSTRIAL SOY OIL

UNITED STATES

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-6625.
Industrial soy oil.

CENTRAL SOYA
Refined Oil Div., 1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5373; TLX: 276170 (CENSOYA FWA A); Plants at: Decatur, IN; Bellevue, OH; Chattanooga, TN.
CONTACT PERSON: William Campbell, Mgr. Dom. Meal & Oil.
Industrial refined soy oil.

DURKEE FOODS DIV. SCM CORPORATION
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-771-5121.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Industrial soy oil.

HONEYMEAD PRODUCTS CO.
Mankato, MN 56002, Ph. 507-625-7911.
CONTACT PERSON: Stanley Eichten
Industrial refined soy oil.

THE MIAMI MARGARINE CO. FOOD SERVICE DIV.
5226 Vine St., Cincinnati, OH 45217, Ph. 513-242-2310.
Industrial soy oil.

RICELAND FOODS
2120 S. Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Industrial soy oil.

S.E. RYKOFF & CO.
737 Terminal St., Los Angeles, CA 90021, Ph. 213-622-4131.
CONTACT PERSON: Donald W. Becker
Industrial soy oil.

C.F. SIMONIN'S SONS INC.
Tioga and Belgrade St., Philadelphia, PA 19134, Ph. 215-426-2300.
CONTACT PERSON: W.J. Lewis, Exec. VP
Industrial soy oil.

A.E. STALEY MFG. CO.
P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
For use in alkyd resin formulation. Alkali refined soy oils, bleached and unbleached.

BELGIUM

N.V. VAMO MILLS
Prins Albertlaan 12, 8700 Izegem, Ph. 051-30.22.22; TLX: 81622; Other locations: Gent and Merksem.
CONTACT PERSON: Fred Deroost, Gen. Mgr.
Industrial soy oil.*

SCALDISWERKEN RUIEN N.V.
6 Avelgemstraat, B9690 Kluisbergen-Ruien, Ph. 055-388412.
CONTACT PERSON: Albert Windels, Ing.
Industrial soy oil.*

VANDEMOORTELE N.V.
Prins Albertlaan 12, Izegem 8700, Ph. 051/30.22.22 or 051/30.38.38; TLX: 81 622 (VAMO B).
CONTACT PERSON: J. Claerhout, Sales Dir.
Industrial soy oil.*

BRAZIL

COMPANHIA MOGIANA DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
Industrial soy oil.

FAROL S.A.-IND. GAUCHA DE FARELOS E OLEOS
Av. Borges de Medeiros 659 - 12th Flr., Porto Alegre, RGS, 90000, Ph. 512 33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Industrial soy oil.*

FUJIWARA HISATO S.A.
Comercio e Industria, Rua Libero Badaro, 293, 27th Floor, Sao Paulo SP-BR, Ph. 229-1722; TLX: 1 -23226 (FUHI-BR); Plant at: Cambe, P.R.
CONTACT PERSON: Gngo. Antonio Guilherme, Plant Mgr.
Industrial soy oil.

GRANOL IND. COM. EXP. S/A.
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733; TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Juan Diego Ferres Diego, Industrial Dir.
Industrial soy oil.

INDUSTRIA DE OLEOS PACAEMBU S/A
Rua Silva Teles, 1465 - Pari, Sao Paulo, CEP 03026, Ph. (011) 291-8844; TLX: (011) 22374 (IOLP); Other plants: Cascavel, Parana; Paranavai, Parana; Paranagua, Parana; Fatima Do Sul, Mato Grosso Do Sul.
CONTACT PERSON: Kanje Adachi, Mgr.
Industrial soy oil.*

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. (011) 274.8211; TLX: 01121226 (IJBDBR); Other locations: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Archimedes Jorge Cortellazzi, Dir.
Industrial soy oil.*

KLEMM, GABE & CIA. LTDA.
Avenida Paul Harris, 420, Santa Cruz Do Sul, RS, 168, Ph. (051) 711-3956 or 711-3923; TLX: 51 2258.
CONTACT PERSON: Armando Gabe, Gen. Mgr.
Industrial soy oil.

OLVEBRA S/A INDUSTRIA E COMERCIO DE OLEOS VEGETAIS
Praca Osvaldo do Cruz, 15-16° andar, Porto Alegre-RS, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT PERSON: Hans Hajo Grun, Comm. Dir.
Industrial soy oil.*

RESEGUE INDUSTRIA E COMERCIO S.A.
Rua Maria Paula, 88, Sao Paulo, 01319.
Industrial soy oil.*

CANADA

CANADA PACKERS INC.
95 St. Clair Ave. W., Toronto, Ont. M4V 1P2, Ph. 416-766-4311; TLX: 062-2257.
CONTACT PERSON: L.R.L. Symmes, Gen. Mgr.
Industrial soy oil.*

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Winsor, Ontario.
CONTACT PERSON: Be Nijhuis, Indus. Oil Mgr.
Industrial soy oil.*

VICTORY SOYA MILLS LTD.
333 Lake Shore Blvd. E., Toronto, Ontario M5A 1C2, Ph. 416-363-8771.
CONTACT PERSON: B.S. Aitken, Gen. Mgr.
Industrial soy oil.*

COLOMBIA

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706.
CONTACT PERSON: Luis Santamaria, Admin.
Industrial soy oil.*

FAGRAVE S.A.
Via 40 #53B-71, Barranquilla, Ph. 316120; TLX: 33115 (AA2289).
CONTACT PERSON Eduardo Rosas, Plt. Mgr.
Industrial soy oil.*

ECUADOR

INDUSTRIAS ALES C.A.
Casilla 4808, Manta, Ph. 610 470.
CONTACT PERSON: Wolf R. Harten, Mgr.
Industrial soy oil.*

ENGLAND

JAMES E. DEAN & CO.
51 Edison Rd., Rabans Lane, Aylesbury

HP193TE, Ph. Aylesbury (0296) 34534; TLX: 837228.
CONTACT PERSON: G. Bruce
Industrial soy oil.*

FEDERAL REPUBLIC OF GERMANY

OELWERKE NOURY & VAN DER LANDE GmbH
IndustriestraBe 10, 4240 Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: H. Herten, Dir.
Industrial soy oil.*

FINLAND

OY KASVIOLJY
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
Industrial soy oil.*

INDIA

GODREJ SOAPS LIMITED
Pirojsha Nagar, Eastern Express Highway, Vikhroli, Bomkbay, Maharashtra 400 079, Ph. 584461-9/586861-8; TLX: 11-3480 (AVIX IN).
CONTACT PERSON: N.B. Godrej, Dir.
Industrial soy oil.*

MANGLIAGAON (M.P.)
GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 073-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Industrial soy oil.

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Industrial soy oil.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Industrial soy oil.*

ISRAEL

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Industrial soy oil.

ITALY

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. I.C.I.C.
Molo Sud, Zona Industriale, ANCONA, Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: F. Cornacchioli, Ind. Oil Sales Mgr.
Industrial soy oil

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Industrial soy oil.*

LIQUIFARM-GRUPPO INDUSTRIE ALIMENTARI S.p.A. IN AMMINISTRAZIONE STRAORDINARIA
Via L. da Vinci 19, Livorno, Ph. 34731; TLX: 500053; CABLE: GIAMIX.
CONTACT PERSON: Dr. Eugenio De Biase, Plant Mgr.
Industrial soy oil.*

S.I.O. RAVENNA S.p.A.
Via Farini N. 56, Modena, 41100, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant in: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr.
Industrial soy oil.*

JAPAN

AJINOMOTO CO. INC.
5-8, 1-Chome, Kyobashi, Chuo-Ku, Tokyo, Ph. 272-1111.
CONTACT PERSON: N. Mizoguchi, Plt. Mgr.
Industrial soy oil.*

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Building, 1-2-3 Ohtemachi, Chiyoda-Ku, Tokyo, Ph. 211-6511.
CONTACT PERSON: M. Fujii, Asst. Mgr.
Industrial soy oil.*

KOREA

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 KOSADB; Plant at: Jin Hae, Kyung Nam.
CONTACT PERSON: Myoungsoo Shin, Pres.
Industrial soy oil.

MEXICO

FABRICA DE JABON LA CORONA S.A. DE C.V.
Apartado Postal 890, Zona Industrial No. 2, Ciudad Obregon, Sonora 85000, Ph. 641-3-46-90; TLX: 552-839 (FJCOBR).
CONTACT PERSON: J.L. Lambarri, Local Mgr.
Industrial soy oil.*

NORWAY

A/S DE-NO-FA OG LILLEBORG FABRIKER
Sandakerveien 56, Oslo, Ph. 22-00-50; TLX: 71181; Plant at: Fredrikstad.
CONTACT PERSON: John Tveito, Dir.
Industrial soy oil.*

PHILIPPINES

UNIVERSAL ROBINA CORPORATION
E. Rodrigues Ave., Bangong Ilog, Pasig, Metro Manila, Ph. 693-2180; TLX: 3828 (CFCURC PN).
CONTACT PERSON: Henry L. Go, Sr. VP
Industrial soy oil.*

THAILAND

NAKORNCHAISRI OIL INDUSTRIAL CO. LTD.
829-835 Opp. Talad Plu Railway Station, Dhonburi, Bangkok, Ph. 465-0659, 466-0529, 466-1014.
CONTACT PERSON: Vichit Vitayathanagorn, Mgr. Dir.
Industrial soy oil.*

VENEZUELA

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA)
Protinal CA, P.O. Box 83, Valencia, Ph. 34 20 11; Plant at: El Morro, Valencia.
CONTACT PERSON: Ing. Omar Hernandez
Industrial soy oil.*

PAINTS & VARNISHES

UNITED STATES

DE SOTO INC.
Chemical Coatings Div., 701 Shiloh Rd., P.O. Box 401268, Garland, TX 75040, Ph. 214-276-5181.
Consumer and industrial enamel finishes.

E.I. DU PONT DE NEMOURS & CO. INC.
Wilmington, DE 19898, Ph. 302-774-2421.
Alkyd resin varnishes.

GLIDDEN COATINGS AND RESINS DIV. SCM CORP.
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000.
CONTACT PERSON: Jerald M. Amato
Paints, varnishes and lacquers.

PPG INDUSTRIES INC.
One Gateway Center, Pittsburgh, PA 15222, Ph. 412-434-3131; TLX: 86-6570.
Paints, varnishes and lacquers.

SHERWIN-WILLIAMS CO.
Cleveland, OH 44115, Ph. 216-566-2000.
Coatings, coating sundries, containers and specialty products.

SPENCER KELLOGG DIV. TEXTRON INC.
Buffalo, NY 14240, Ph. 716-852-5850.
CONTACT PERSON: Richard E. Punnett, Dir. Commodity Prod.
Complete line of refined soy oils for use in alkyd resins, etc., Drisoy drying soy oil, modified soy oils for protective coatings.

FEDERAL REPUBLIC OF GERMANY

OELWERKE NOURY & VAN DER LANDE GmbH
IndustriestraBe 10, 4240 Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: H. Herten, Dir.
Paints and varnishes.*

INDIA

MALWA VANASPATI & CHEMICAL COMPANY LIMITED
1, Mohatta Nagar, Indore-452 003, M.P., Ph. 6353, 6354, 6355; TLX: 0735 228 MVCC IN (MVCC).
CONTACT PERSON: B.S. Mohatta, Chrmn.
Paints and varnishes.*

MEXICO

ACEITES POLIMERIZADOS S.A.
Calzada Inguaran, P.O. Box 14779, Mexico 14, D.F., Ph. 577-39-23.
CONTACT PERSON: Dr. Alejandro Terrones, Mktg. Mgr.
Refined, polimerized (thermal, oxidative), epoxidized (apolflex 70), resins for paint and varnishes and fatty acids (including linoleic acid), polyamide resins.

PHILIPPINES

UNIVERSAL ROBINA CORP.
E. Rodriguez Ave., Bagong Ilog, Pasig, M. Manila, Ph. 682-5402.
CONTACT PERSON: Henry L. Go, Sr. VP
Paints, varnishes.

RESINS

UNITED STATES

DURKEE FOODS DIV. SCM CORPORATION
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Resins.

HENKEL CORPORATION
4620 W. 77th, Minneapolis, MN 55435, Ph. 612-830-7885; TLX: 29-0472.
CONTACT PERSON: Larry A. Mechelke, Mgr. Cust. Serv.

RALSTON PURINA CO.
Polymer Div., Checkerboard Square, St. Louis, MO 63164, Ph. 800-325-7137.
CONTACT PERSON: Paul Mitchell, Dir. Polymer Mktg.
Resins.

REICHHOLD CHEMICALS INC.
White Plains, NY 10603, Ph. 914-682-5700; TWX: 710-568-1373.
Alkyd resins.

BRAZIL

PERDIGAO ALIMENTOS S/A
Rua Do Comercio 39, Videira, SC 89560, Ph. 0495 33.0155; TLX: 492259 (PERD BR).
CONTACT PERSON: Julio C.M. Brandalise, Sales Mgr.
Resins.*

JAPAN

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3, Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
Synthetic resin adhesives.*

MEXICO

ACEITES POLIMERIZADOS S.A.
Calzada Inguaran, P.O. Box 14779, Mexico 14, D.F., Ph. 577-39-23.
CONTACT PERSON: Dr. Alejandro Terrones, Mktg. Mgr.
Polyamide resins.

PHILIPPINES

UNIVERSAL ROBINA CORP.
E. Rodriguez Ave., Bagong Ilog, Pasig, M. Manila, Ph. 682-5402.
CONTACT PERSON: Henry L. Go, Sr. VP
Resins.

SOAPS

UNITED STATES

PROCTER & GAMBLE CO.
P.O. Box 599, Cincinnati, OH 45201.
Soaps.

BRAZIL

COMPANHIA MOGIANA DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 troncos); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
Soaps.

INDUSTRIAS GESSY LEVER LTDA.
P.O. Box 2745, Sao Paulo, SP 01000, Ph. 0192-71.1777; TLX: (019) 1461 (VALINHOS,SP).
CONTACT PERSON: Samuel Aguirre Diaz, Tech. Dir.
Soaps.*

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. (011) 274.8211; TLX: 01121226 (IJBDBR); Other locations: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Archimedes Jorge Cortellazzi, Dir.
Soaps.*

MINASA
Caixa Postal 1101, Campinas, S.P. 13.100, Ph. (0192) 42-1966; TLX: 019-1043 (MINABR); Other locations: Araraquara, SP; Arapongas, PR; Itumbiara, GO.
CONTACT PERSON: John B. Sieh, Gen. Mgr.
Soaps.*

PERDIGAO ALIMENTOS S/A
Rua Do Comercio 39, Videira, SC 89560, Ph. 0495 33. 0155; TLX: 492259 (PERD BR).
CONTACT PERSON: Julio C.M. Brandalise, Sales Mgr.
Soaps.*

REFINADORA DE OLEOS BRASIL S/A
Av. Paulista, 2073 - Conj. Horsa II, 2nd Flr., Sao Paulo, S.P., 01311, Ph. (011) 287-3122; TLX: (011) 32042 (NEVA BR) & (011) 23827 (ROBR BR); Other locations: Sao Caetano do Sul, S.P.; Araucaria, P.R.
CONTACT PERSON: C.A. Walter or Jacques L. Rochat
Soap.

RESEGUE INDUSTRIA E COMERCIO S.A.
Rua Maria Paula, 88, Sao Paulo, 01319.
Soaps.*

S.A. MOINHOS RIO GRANDENSES (SAMRIG)
Rua de Conceicao, 195, Porto Alegre, RGS, Ph. 24-1033; TLX: 028778 (SAMRIG PAE).
GLISAM glycerin and soapstock.*

CANADA

CANADA PACKERS INC. CHEMICAL DIV.
5100 Timberlea Blvd., Mississauga, Ontario L4W 2S5, Ph. 416-624-7000.
Soaps.

COLOMBIA

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali, Ph. 441021; TLX: 055-706.
CONTACT PERSON: Luis Santamaria, Admin.
Soaps.*

FAGRAVE S.A.
Via 40 #53B-71, Barranquilla, Ph. 316120; TLX: 33115 (AA2289).
CONTACT PERSON: Eduardo Rosas, Plant Mgr.
Soaps.*

ECUADOR

INDUSTRIAS ALES C.A.
Casilla 4808, Manta, Ph. 610470.
CONTACT PERSON: Wolf R. Harten, Mgr.
Soaps.*

FEDERAL REPUBLIC OF GERMANY

OELWERKE NOURY & VAN DER LANDE GmbH
IndustriestraBe 10, 4240 Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: H. Herten, Dir.
Soaps.*

INDIA

FOODS FATS & FERTILIZERS LIMITED
Post Box No. 15, Tanuku Road, Tadepalligudem 534 101, Andhra Pradesh, Ph. (8816) 2571.
CONTACT PERSON: Sushil Goenka, Prod. Dir.
Soaps.*

MALWA VANASPATI & CHEMICAL COMPANY LIMITED
1, Mohatta Nagar, Indore-452 003, M.P., Ph. 6353, 6354, 6355; TLX: 0735 228 MVCC IN (MVCC).
CONTACT PERSON: B.S. Mohatta, Chrmn.
Soaps.*

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Soaps.

PRABHAT SOLVENT EXTRACTION INDUSTRIES PRIVATE LIMITED
1st Flr., Sterling Apartments, Jawahar Road, Post Box No. 76, Rajkot, Gujarat, 360 001, Ph. 32951, Std. Code 0281; TLX: 0169 234 and 0169 286 (SWAD IN) and (PSEI IN); Other locations: Manavadar, Gujarat; Rajkot (Madhapar), Gujarat.
CONTACT PERSON: Navin D. Vadalia, Mgr.
Soap.

ISRAEL

ETZ HAZAITH LTD.
P.O. Box 193, Petah-Tikva, Ph. 927171; TLX: 341859.
Soaps.

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Soaps.

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Ph. 04-670491, TLX: 46776 (KFood IL).
CONTACT PERSON: Z. Neumann, Mktg. Dir.
Soaps.*

MEXICO

ACEITES Y DERIVADOS DEL PACIFICO, S.A. DE C.V.
Raul Garcia y Cia S.A., KM 2125 Apdo. 213, Hermosillo, Sonora, Ph. 422-15; TLX: 058-854; Office: Monterrey N.L.
CONTACT PERSON: Jose L. Aguilar, Gen. Mgr.
Soaps.*

FABRICA DE JABON LA CORONA S.A. DE C.V.
Apartado Postal 890, Zona Industrial No. 2, Ciudad Obregon, Sonora, 85000, Ph. 641-3-46-90; TLX: 552-839 (FJCOBR).
CONTACT PERSON: J.L. Lambarri, Local Mgr.
Soaps.*

GRASAS VEGETALES, S.A.
Limon 1139, Col. del Fresno, Guadalajara, Jal., 44900, Ph. 36 12-1980; TLX: 068-1708 GVSAME.
CONTACT PERSON: Adela Aguilar Miranda, Chem. Engr.
Soaps.

INDUSTRIAL JABONERA LA ESPERANZA, S.A.
Valores Modernos SA, Fte. a la Estacion de los FFCC, Gomez Palacio, Durango, Ph. 4-1044; TLX: 032-877.
CONTACT PERSON: Aureliano Alatorre M., Gen. Mgr.
Soaps.

MOROCCO

LES HUILERIES DE MEKNES
B.P. 2021 Sidi Said, Meknes, Ph. 5-314-82; TLX: 41 034 (HUILMEK).
CONTACT PERSON: Eddaoudi Hassan, Mgr. Dir.
Soaps.*

SOCIETE D'EXPLOITATION DES PRODUITS OLEAGINEUX (SEPO)
2 Rue du Caporal Corbi a Calablancae (R.N.) B.P. 3094, Ph. 24-10-96 or 24-63-36; TLX: 25-076.
Soaps.

UNIGRAL CRISTAL
10-14 Rue Mostapha El Maani, B.P. 253 Casablanca, Ph. 311176; TLX: 21063.
CONTACT PERSON: Hamdouch Mohamed, Gen. Mgr.
Soaps.

THAILAND

INDUSTRIAL ENTERPRISES CO. LTD.
179 Surawongse Rd., Bangkok, Ph. 2354855-9; Plant at: Pak Kret, Nonthaburi.
CONTACT PERSON: Prasopporn Patayakul, Head of Section
Soaps.*

SOY STEROLS & TOCOPHEROLS

UNITED STATES

DISTILLATION PRODUCTS INDUSTRIES
P.O. Box 511, Kingsport, TN 37662, Ph. 615-247-0411, ext. 4664; TLX: 553450.
CONTACT PERSON: T.R. Fields
Purchase and process vegetable oil distillate at Rochester, NY, plant to produce natural source vitamin E, alpha and mixed tocopherols and concentrated vegetable sterol .

DURKEE FOODS DIV.
SCM CORPORATION
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Soy sterols and tocopherols.

HENKEL CORPORATION
4620 W. 77th, Minneapolis, MN 55435, Ph. 612-830-7808; TLX: 29-0472.
CONTACT PERSON: Walter Whitehill, Dir. of Mktg., Fine Chem.
Process soy oil deodorizer distillate at Kankakee, IL plant to produce soya sterols, tocopherols and natural vitamin E.

BRAZIL

COMPANHIA MOGIANA
DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires, Dir.
Soy sterols and tocopherols.

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. (011) 274.8211; TLX: 01121226 (IJBDBR); Other locations: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Archimedes Jorge Cortellazzi, Dir.
Soy sterols and tocopherols.*

OLVEBRA S/A INDUSTRIA E
COMERCIO DE OLEOS VEGETAIS
Praca Osvaldo do Cruz, 15-16° andar, Porto Alegre-RS, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT PERSON: Hans Hajo Grun, Comm. Dir.
Soy sterols and tocopherols.*

PERDIGAO ALIMENTOS S/A
Rua Do Comercio 39, Videira, SC 89560, Ph. 0495 33.0155; TLX: 492259 (PERD BR).
CONTACT PERSON: Julio C.M. Brandalise, Sales Mgr.
Soy sterols and tocopherols.*

INDIA

PRESTIGE FOODS PRIVATE LIMITED
32, II-C, New Palasia, Indore-452 001, M.P., Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Soy sterols and tocopherols.*

ITALY

INDUSTRIE CHIMICHE
ITALIA CENTRALE S.p.A. I.C.I.C.
Molo Sud, Zona Industriale, ANCONA, Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: F. Cornacchioli, Ind. Oil Sales Mgr.
Soy sterols and tocopherols.

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Soy sterols and tocopherols.*

S.I.O. MODENA S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I).
CONTACT PERSON: Giancarlo Zelocchi, Mgr.
Soy sterols and tocopherols.*

JAPAN

AJINOMOTO CO. INC.
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo, Ph. 272-1111.
CONTACT PERSON: N. Mizoguchi, Plant Mgr.
Soy sterols and tocopherols.*

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Building, 1-2-3 Ohtemachi, Chiyoda-Ku, Tokyo, Ph. 211-6511.
CONTACT PERSON: M. Fujii, Asst. Mgr.
Soy sterols and tocopherols.*

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005 AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Eef Paalvast, Merch. Mgr.
Soy sterols and tocopherols.*

SOYBEAN FATTY ACIDS

UNITED STATES

DURKEE FOODS DIV.
SCM CORPORATION
900 Union Commerce Bldg., Cleveland, OH 41115, Ph. 216-344-8000.
CONTACT PERSON: Leonard S. Milazzo, VP Mfg./Eng.
Soybean fatty acids.

EMERY INDUSTRIES
Carew Tower, Cincinnati, OH 45202, Ph. 513-762-6200; TWX: 810-461-2412.
EMERY 610 soya fatty acid. EMERSOL 315 linoleic acid by EMERSOL process for separation of liquid and solid components of soya fatty acids by selective solvent crystallization.

A. GROSS & CO.
MILL-MASTER ONYX GROUP, INC.
P.O. Box 818, Newark, NJ 07101, Ph. 201-344-0900.

CONTACT PERSON: Doug Manning, Dir. Mkt. & Sales

HENKEL CORPORATION
4620 W. 77th, Minneapolis, MN 55435, Ph. 612-830-7885; TLX: 29-0472.
CONTACT PERSON: Larry A. Mechelke, Mgr. Cust. Serv.

INDUSTRIAL PRODUCTS GROUP STOKELY-VAN CAMP INC.
Chemical Div., 525 W. 1st. Ave., P.O. Box 569, Columbus, OH 43215, Ph. 614-299-3131; TLX: 245494.
CONTACT PERSON: M.J. Hein, VP
CAPITAL 172 distilled and CAPITAL 182 double distilled soy fatty acids.

C.F. SIMONIN'S SONS INC.
Belgrade and Tioga St., Philadelphia, PA 19134, Ph. 215-426-2300.
CONTACT PERSON: W.J. Lewis, Exec. VP
Soybean fatty acids.

ARGENTINA

MOLINOS RIO DE LA PLATA S.A.
Division Oleaginosos, Paseo Colon 746, Buenos Aires, 1323, TLX: 22270 (MRPSA AR); Other locations: Avellaneda, Provincia de Buenos Aires; Barranqueras, Chaco.
CONTACT PERSON: Dr. Nolly Sirkis, Div. Mgr.
Soybean fatty acids.

BELGIUM

VANDEMOORTELE N.V.
Prins Albertlaan 12, Izegem 8700, Ph. 051/30.22.22 or 051/30.38.38; TLX: 81 622 (VAMO B).
CONTACT PERSON: J. Claerhout, Ind. Sales Dir.
Soybean fatty acids.*

BRAZIL

GRANOL IND. COM. EXP. S/A
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733, TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Juan C. F. Diego, Indus. Dir.
Soybean fatty acids.

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, 04207, Ph. (011) 274.8211; TLX: 01121226 (IJBDBR); Other location: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Archimedes Jorge Cortellazzi, Dir.
Soybean fatty acids.*

PERDIGAO ALIMENTOS S/A
Rua Do Comercio 39, Videira, SC 89560, Ph. 0495 33.0155; TLX: 492259 (PERD BR).
CONTACT PERSON: Julio C.M. Brandalise, Sales Mgr.
Soybean fatty acids.*

RESEGUE INDUSTRIA E COMERCIO S.A.
Rua Maria Paula, 88, Sao Paulo, 01319.
Soybean fatty acids.*

CANADA

CANADA PACKERS INC. CHEMICAL DIV.
5100 Timberlea Blvd., Mississauga, Ontario L4W 2S5, Ph. 416-624-7000.
Soybean fatty acids.

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Plant at: Windsor, Ontario.
CONTACT PERSON: Be Nijhuis, Indus. Oil Mgr.
Soybean fatty acids.*

FEDERAL REPUBLIC OF GERMANY

OELWERKE NOURY & VAN DER LANDE GmbH
IndustriestraBe 10, 4240 Emmerich/Rhein, Ph. 02822-741.
CONTACT PERSON: H. Herten, Dir.
Soybean fatty acids.*

FINLAND

OY KASVIOLJY
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr., Foreign Dept.
Distilled fatty acids.*

INDIA

FOODS FATS & FERTILISERS LIMITED
Post Box No. 15, Tanuku Road, Tadepalligudem 534 101, Andhra Pradesh, Ph. (8816) 2571.
CONTACT PERSON: Sushil Goenka, Prod. Dir.
Soybean fatty acids.*

GODREJ SOAPS LIMITED
Pirojsha Nagar, Eastern Express Highway, Vikhroli, Bombay, Maharashtra 400 079, Ph. 584461-9/586861-8; TLX: 11-3480 (AVIX IN).
CONTACT PERSON: N.B. Godrej, Dir.
Soybean fatty acids.*

ISRAEL

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: M. Mitelman
Soybean fatty acids.

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Ph. 04-670491, TLX: 46776 (KFood IL).

CONTACT PERSON: Z. Neumann, Mktg. Dir.
Soybean fatty acids.*

ITALY

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. I.C.I.C.
Molo Sud, Zona Industriale, ANCONA, Ph. 071/55771; TELEGRAPH: ICIC Ancona; TLX: 560035 ICIC A - 560866 ICIC B.
CONTACT PERSON: F. Cornacchioli, Ind. Oil Sales Mgr.
Soybean fatty acids.

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Ph. 0544-31222; TLX: 550077 IORRA I; Other plants: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Ing. Stefano Ghirardini, Tech. Dir.
Soybean fatty acids.*

S.I.O. CASTELFIORENTINO S.p.A.
Via Senese Romana, N. 275, Castelfiorentino (Fi), 50051, Ph. (0571) 64338; TLX: 570 072 (SIO CF I).
CONTACT PERSON: Luciano Zini, Mgr. Dir.
Soybean fatty acids.*

S.I.O. MODENA S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. (059) 22 2571; TLX: 510 138 (SIO MO I).
CONTACT PERSON: Giancarlo Zelocchi, Mgr. Dir.
Soybean fatty acids.*

JAPAN

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 03-555-6923.
CONTACT PERSON: T. Okumori, Plant Mgr.
Fatty acids.*

KOREA

CHEIL SUGAR CO. LTD.
23rd Flr., Samsung Main Bldg. 250, 2-Ka, Taepyung-Ro, Chung-Ku. Seoul, Ph. 28-7533; TLX: K23762.
CONTACT PERSON: M.Y. Yoo, Plant Mgr.
Soybean fatty acids.*

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Ph. 633-3921; TLX: K27334 KOSADB; Plant at: Jin Jae, Kyung Nam.
CONTACT PERSON: Myoungsoo Shin, Pres.
Soybean fatty acids.

MEXICO

ACEITES Y DERIVADOS DEL PACIFICO, S.A. DE C.V.
Raul Garcia y Cia S.A., KM 2125, Apdo. 213, Hermosillo, Sonora, Ph. 422-15; TLX: 058-854; Office: Monterrey, N.L.
CONTACT PERSON: Jose L. Aguilar, Gen. Mgr.
Soybean fatty acids.*

ACEITES POLIMERIZADOS S.A.
Inguaran No. 5719, Mexico 14, D.F., Ph. 577-39-23.
CONTACT PERSON: Dr. Alejandro Terrones, Mktg. Mgr.
Soy fatty acid distillates.

GALLETERA MEXICANA S.A. (GAMESA)
Ciudad Obregon, Sonora.
CONTACT PERSON: Ing. Jose Arturo Zablah Kuri, Plng. Dir.
Soybean fatty acids.*

GRASAS VEGETALES, S.A.
Limon 1139, Col. del Fresno, Guadalajara, Jal., 44900, Ph. (36) 12-1980; TLX: 068-1708 GVSAME.
CONTACT PERSON: Adela Aguilar Miranda, Chem. Engr.
Soybean fatty acids.

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005 AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Eef Paalvast, Merch. Mgr.
Soybean fatty acids.*

TAIWAN

CHIA FHA INDUSTRY CO. LTD.
29 Tattung Shalu, Taichung, Ph. 046-223221.
CONTACT PERSON: Wuu Shyong Lin, Plant Mgr.
Soybean fatty acids.*

GREAT WALL ENTERPRISES CO. LTD.
8th Flr., 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Ph. 02-7315761-5.
CONTACT PERSON: S.C. Yang, Mgr.
Soybean fatty acids.*

THAILAND

NAKORNCHAISRI OIL INDUSTRIAL CO. LTD.
829-835 Opp. Talad Plu Railway Station, Dhonburi, Bangkok, Ph. 465-0659, 466-0529, 466-1014.
CONTACT PERSON: Vichit Vitayathanagorn, Mgr. Dir.
Soybean fatty acids.*

UNITED ARAB EMIRATES

UNITED FOODS LIMITED
Al-Owais Bldg., 104 Flat, Naser Square, P.O. Box 5503, Deira, Dubai, Ph. 9714-223214/5/6; TLX: 46689 (VEGOIL EM).
CONTACT PERSON: Naseem Husain, Mgr. Plng.
Soybean fatty acids.*

exporters

*Updated listing of non-U.S. firm

A/S DE-NO-FA OG LILLEBORG FABRIKER
Sandakerveien 56, Oslo, Norway, Ph. 22-0 -50; TLX: 71181; Plant at: Fredrikstad.
CONTACT PERSON: Morten Hanevold
Crude degummed, refined and hardened soy oil.*

AG-WORLD EXPORTS
1009 W. Washington St., P.O. Box 3337, Bloomington, IL 61701, Ph. 309-827-3484; TWX: 510-352-2171 (AG WORLD).
CONTACT PERSON: Eff Embree, Mgr. Dir.
Agricultural equipment, food products, live swine, dairy and beef cattle, goats, sheep, horses, and other types of live animals.

AGRICULTURAL EXPORTS INC.
Hudson, IA 50643, Ph. 319-988-4593; TLX: 465 653; CABLE: AGRIPORT.
CONTACT PERSON: Jeanne M. Strayer, VP
Soybeans for seed or food purposes, bulk or bagged, vegetable and field varieties, split dehulled soybeans for food purposes.

ALL SINCERE INDUSTRIAL CO. LTD. (ASIC)
38 Chung Shan Rd., Luchu, Kaohsiung 821, Taiwan, Ph. 064-862201.
CONTACT PERSON: C.H. Tsai, Pres.
Soy meal.*

AMERICAN LECITHIN CO.
32-34 61st St., Woodside, Long Island, NY 11377, Ph. 212-274-4350; TLX: 26318.
CONTACT PERSON: M. Gillio, Exec. VP
Soybean lecithin and derivatives, lecithinated flours.

ARCHER DANIELS MIDLAND CO.
P.O. Box 1470, Decatur, IL 62525, Ph. 217-424-5453; Offices at: Galesburg and Granite City, IL; Fredonia, KS; Mankato, MN; Lincoln, NE.
CONTACT PERSON: Tim Malm
Soybean pellets, degummed, once refined and fully refined soy meal, oil, flour, flakes, grits, lecithin, salad oil, cooking oil, shortening oil, margarine oil, meat analogs, sausage binders and textured soy proteins.

BALFOUR-MACLAINE INTERNATIONAL LTD.
Wall St. Plaza, New York, NY 10005, Ph. 212-425-2100; TLX: 126985 (BALFOUR); Int'l. TLX: RCA 232072.
Crude, degummed, once refined, fully refined soy oil, cottonseed oil, tallow, lard, sunflower seed and sunflower oil.

BARZEN INTERNATIONAL INC.
Stacy, MN 55079, Ph. 612-462-4345; TLX: 29-0611.
CONTACT PERSON: Susie Wright
Exporter of seed soybeans, seed grains, other oilseeds, legumes and grasses, all varieties.

BEAR SPECIALTY GRAINS, INC.
305 S. Linden St., Normal, IL 61761, Ph. 309-454-2461.
CONTACT PERSON: John Haines, Pres.
Food variety beans.

BIANCHINI S/A IND. COM. E AGRICULTURA
Rua dos Andradas No. 1121-10th Flr., Porto Alegre, R.S., Brazil, 90.000, Ph. (0512)21.8777; TLX: (051) 1848 or 1849; Other locations: Rio Grande, R.S.; Canoa , R.S.
CONTACT PERSON: Arlindo Bianchini, Dir.
Toasted soy meal, crude degummed soy oil and soybean pellets in bulk.*

BOONE VALLEY CO-OP PROCESSING ASSN.
Eagle Grove, IA 50533, Ph. 515-448-4711.
CONTACT PERSON: Leonard Miller, Mktg.Mgr.
Soy meal and degummed soy oil.

BORDEAUX-OLEAGINEUX
Quai Alfred de Vial, 33530 Bassens, managed by Societe Francaise Bunge, H5, Ave. George V, 75008 Paris, France, Ph. 7230109; TLX: 614874.
CONTACT PERSON: Pierre Terrason, Dir.
Soy meal.*

BRASWEY S.A. INDUSTRIA E COMERCIO
Rue Enxovia, 423 Sto. Amaro, 04711 Sao Paulo, Brazil, Ph. 548-5500; TLX: 011-22427; CABLE: BRASWEY CO.
CONTACT PERSON: Liu Shun Ku, Exec. Dir.
Soy meal, pellets, crude degummed, fully refined and hydrogenated oil.*

BRITISH SOYA PRODUCTS LTD.
Puckeridge, NR Ware, Hertfordshire, Ph. (Ware) 821291; TLX: 81352.
CONTACT PERSON: J.H. Baker, Dir.
TRUSOY heat treated full-fat soy flour and BREDSOY, an enzyme active full-fat soy flour.*

BUNGE CORP.
One Chase Manhattan Plaza, New York, NY 10005; Ph. 212-943-6600; TLX: RCA 233554, ITT 420099; Offices at: Osceola and Pine Bluff, AR; Albany, Chicago, Cairo and Shawneetown, IL; Hutchinson, KS; Destrehan, LA; Duluth and Minneapolis, MN; Greenville, MS; Portland, OR; and Fort Worth, TX.
Soybeans, meal and crude, degummed, once refined and fully refined soy oil.

BUNGE EDIBLE OIL CORP.
P.O. Box 765, Kankakee, IL 60901, Ph. 815-933-0600; Other locations: Chattanooga, TN, and Fort Worth, TX.
CONTACT PERSON: Jack Brady, VP
Salad/cooking oils, shortening and margarine.

CADUR TRADING CORP.
1037 N.W. 21st Terrace, Miami, FL 33127, Ph. 305-635-0000; TLX: 518952 (CADUR CORP MIA).
CONTACT PERSON: Luis A. Teijeiro, Export Dept. Mgr.
Fully refined soy oil and shortening.

CANADIAN VEGETABLE OIL PROCESSING DIV.
Canada Packers, Inc., Victoria Ave. & Burlington St., Hamilton, Ont., Canada, Ph. 416-527-9121; TLX: 061-8315.
CONTACT PERSON: George Vinall, Gen. Mgr.
Degummed soy oil.*

CARGILL AGRICOLA S.A.
Rua Olavo Bilac 157, Sao Paulo, 04671, Brazil, Ph. (011) 548.8122; TLX: 011 21268; Other locations: Ponta Grossa, Parana; Mairingue, Sao Paulo; Monte Alto, Sao Paulo.

CONTACT PERSON: Sergio Alair Barroso, Comm. Mgr., or Jose Roberto G. Ferreira, Adm. Dir.
Soy oil and meal.

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA; Coenhavenweg 2, Box 8074, 1005 AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT PERSON: Eef Paalvast, Merch. Mgr.
Soy meal, crude degummed and refined soy oil, soyfood products, soy sterols and tocopherols, and soybean fatty acids.

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-7575; TLX: 29-0794; Other locations: Osceola, FL; Chicago, IL; Memphis, TN; Chesapeake, VA.
Crude and degummed soy oil and meal; once refined soy oil and meal; soy flour for export.

CENTRAL SOYA
1300 Fort Wayne National Bank Bldg., P.O. Box 1400, Fort Wayne, IN 46801-1400, Ph. 219-425-5100; TLX: 276170 (CENSOYA FWA A).
CONTACT PERSON: Jerry R. James, VP Grain
Once refined and fully refined vegetable oil, soy meal, flour, flakes and grits, lecithin, salad oil, cooking oil, margarine oil, shortening, sausage binders, soy protein concentrates, textured soy flours, textured soy proteins, soybeans, corn, livestock and poultry feeds.

CHEIL SUGAR CO. LTD.
23rd Flr., Samsung Main Bldg. 250, 2-Ka, Taepyung-Ro, Chung-Ku, Seoul, Ph. 28-7533; TLX: K23762.
CONTACT PERSON: M.Y. Yoo, Plant Mgr.
WHITE SNOW cooking/salad oil.*

A.E. CHEW & CO. INC.
One World Trade Center, Suite 1907, New York, NY 10048, Ph. 212-432-0590; TLX: 232715; TWX: 710-581-2333.
CONTACT PERSON: Ralph Chew, Pres.
Fully refined soy oil bulk, drums and packaged, breakfast foods, cookies, crackers, salad oil, mayonnaise, cooking oil, seasonings, soy sauce, soy meal and partially refined oil.

DR. CHUNG'S FOODS COMPANY
194-24, 1-Ka, Hoehyun-dong, Choong-Ku, Seoul, Korea, Ph. 777-7421.

CONTACT PERSON: Chung Sung Soo, VP
VEGEMIL soymilk, URIAN soy beverage.*

CIA. BRASILEIRA DE OLEOS E DERIVADOS (COBRASOL)
Alameda Santos, 1357-5°, Sao Paulo, S.P., Brazil, 01419, Ph. 011-283-4222; TLX: 1131140 (CBOD BR); Other locations: Sao Luis Gonzaga, R.S.; Porto Alegre, R.S.; Santo Angelo, R.S.
CONTACT PERSON: Edmond Sidi, Comm. Mgr.
Soybeans, soy oil, meal and HIPRO meal.*

exporters...

CIGRA, INCORPORATED
233 S. Wacker Drive, Suite 7616, Sears Tower, Chicago, IL 60606, Ph. 312-993-9811; TWX: 910-221-2586 (CIGRA CGO); Other location: Portland, Oregon.
CONTACT PERSON: K. Nagasaka, VP
Soybeans and grains.

CLEARY TRADING CORP.
1049 Somerset St., Somerset, NJ 08873, Ph. 201-247-8000.
CONTACT PERSON: Margaret A. Cleary
Lecithin.

COMPANHIA MOGIANA DE OLEOS VEGETAIS
Av. Sete No. 2300, Orlandia, Sao Paulo, Brazil, Ph. (016) 726-3666 (PABX 15 tronco); TLX: 0166445 (CMOV).
CONTACT PERSON: Silvio Ferraz Pires
Crude, degummed and refined oil, lecithin.

COMPANIA INDUSTRIAL Y DE ABASTECIMIENTOS, S.A.
Avda. de los Madronos No. 31, Madrid 33, Spain, TLX: 56509 (SILOE); 44374 (CINDOE); 22080 (DINSOE).
CONTACT PERSON: Nacho Escribano, Head Merchant
44% and 48% protein soy meal, crude degummed and fully refined soy oil.*

CONTINENTAL GRAIN CO.
277 Park Ave., New York, NY 10017, Ph. 212-826-5100; Other locations: Guntersville, AL; Taylorville, IL; Cameron, SC.
CONTACT PERSON: Ronald Anderson, Sr. VP
Grain merchants and exporters.

JAMES E. DEAN & CO.
51 Edison Rd., Rabans Lane, Aylesbury HP193 TE, England, Ph. Aylesbury (0296) 34534; TLX: 837228.
CONTACT PERSON: G. Bruce
Refined soy oil.*

DEKALB COUNTY EXPORTS INC.
Subsid. of Tabor Grain, P.O. Box 734, Towpath Road, Ottawa, IL 61350, Ph. 815-433-3635; TWX: 910-642-3700; Other location: Tokyo, Japan.
CONTACT PERSON: Nielson Nussbaum
Special variety and food type soybeans.

DIPAK SOLVENT EXTRACTION INDUSTRIES
Jawahar Road, Manavadar-362 630, India, Ph. 267, 268; TLX: 0164-215 (DSEI IN); Other location: Manavadar, Gujarat.
CONTACT PERSON: Shri G. G. Patel, partner
Soybean de-oiled extractions.*

SOYBEAN EARRINGS
A golden soybean is enclosed in a delicate gold or silver metallic cage. Earrings are available in either clip-on or pierced styles (please specify color and style). Price: $2.50

SOYBEAN JACKET
Firmly woven nylon shell gives this handsome jacket the rain and wind protection you need. Machine washable for easy care. Two styles feature soybean logo, snap fasteners and chocolate brown color. Heavyweight model features deep pile lining, wrist hugging knit cuffs. Lightweight model has flannelette lining, elasticized cuffs. Both come in small, medium, large and extra large. Price: $25.00 Lightweight $30.00 Heavyweight

Other items available from ASA are: soybean pens, paper weights, emblem items and hand made jewelry. Add $2.00 per order to cover shipping charges.

Send orders to:
General Sales
American Soybean Association
Box 27300, St. Louis, MO 63141

DONGBANG OIL AND FLOUR MILLS CO., LTD.
No. 2 Yangpyong-dong 4-ka, Yungdungpo-ku, Seoul, Korea, Ph. 633-3921; TLX: K27334 (KOSADB); Plant at: Jin Jae, Kyung Nam.
CONTACT PERSON: Jang Hong Yoo, Dir.
Exporters of soy oil and meal.

LOUIS DREYFUS CORP.
24 Richmond Hill Ave., Stamford, CT 06904, Ph. 203-357-8444; TLX: 996315; Offices at: Chicago, Curran and Pekin, IL; New Orleans, LA; Pascagoula, MS; Baltimore, MD; Guckeen and Minneapolis, MN; Kansas City, MO; Portland, OR; Fort Worth, TX.
CONTACT PERSON: Joseph Petrowski
Grain merchandiser and exporter of soybeans, soy oil and soy meal.

JAMES E. DUNN GRAIN SERVICES, INC.
714 West First Street, Cedar Falls, IA 50613, Ph. 319-277-7202; TLX: 465650.
CONTACT PERSON: James E. Dunn, Pres.
Supplier of quality identity preserved soybeans for tofu, miso, natto and sprouts as well as commercial soybeans; shipments containerized and by barge.

DURKEE FOODS DIV. SCM CORP.
900 Union Commerce Bldg., Cleveland, OH 44115, Ph. 216-344-8000; Other locations: Lafayette, CA; Chicago, IL; New York, NY.
CONTACT PERSON: Leonard Milazzo, VP Mfg./Eng.
Once refined and fully refined soy oil, salad and cooking oil and shortening, liquid soy oil and emulsified shortenings.

EAGLE FOOD INDUSTRY CORP.
12th. Flr. 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Taiwan, Ph. 02-7811161-69.
CONTACT PERSON: Houng Yu, Sub. Mgr.
Soy meal and oil.*

EDIBLE SOY PRODUCTS INC.
711 Seventh St., Hudson, IA 50643, Ph. 319-988-2221.
CONTACT PERSON: Miller Rowe
Health foods, roasted soybeans, PRO-NUTS (processed soybeans).

FABRICA DE ACEITE VILLAMONTES RAFAEL DEHEZA
Ave. Camacho 1485 Edif. la Urbana, P.O. Box 1124, La Paz, Bolivia, Ph. 324957-350917; TLX: 2566.
CONTACT PERSON: Ing. Jorge Jung Peters
Soy meal and fully refined oil.*

FAR-MAR CO., INC.
P.O. Box 619, Kansas City, MO 64141, Ph. 816-753-5500.
CONTACT PERSON: Chuan L. Ar., Sr. Grain Merch.
Soybeans, soy oil and meal.

FARMERS EXPORT CO.
8400 W. 110th St., Overland Park, KS 66210, Ph. 913-642-5500; TLX: 437-156; TWX: 910-749-4049.
Grain merchandiser and exporter of soybeans.*

FARMLAND INDUSTRIES
P.O. Box 200, Sergeant Bluff, IA 51504, Ph. 712-943-4282; TWX: 910-968-1757; Main Office: Kansas City, MO.
CONTACT PERSON: Richard Lee, Sales Mgr.
Soybeans, degummed soy oil, 44% soy meal and 47.5% Hi Pro soy meal.*

FAROL S.A.-IND. GAUCHA DE FARELOS E OLEOS
Avenida Borges de Medeiros 659-12th Flr., Porto Alegre, RGS, Brazil, 90000, Ph. 512-33-79-88; TLX: 51-1732 STEF BR; Other plants: Estrela, RGS; Feliz, RGS; Sapucaia Do Sul, RGS; Ituiutaba, MG.
CONTACT PERSON: Stefan Wenzel, Export Dir.
Soybeans, meal 46% profat, Highpro 48% protein, soy flour, soy grits, texturized soy protein, crude soy lecithin, filtered soy lecithin.*

FEARN SOYA FOODS DIV. RICHARD FOODS CORP.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
Flour, flakes and grits, lecithin, soybeans for cooking, health foods, blended foods, breakfast foods, flour mixes, soy protein concentrates and isolates. Consumer packages only. Soya powder, soya granules, SOY-O baking mixes, protein supplements based on soy, liquid lecithin.

J.H. FILBERT INC.
3701 Southwestern Blvd., Baltimore, MD 21229, Ph. 301-644-4900; Plant at: Atlanta, GA.
CONTACT PERSON: Basil G. Howard, Sr. VP
Margarines, mayonnaises/dressings, retail, food service, food processor.

JAMES E. DUNN
GRAIN SERVICES INC.
714 W. FIRST · CEDAR FALLS, IOWA 50613
319-277-7202

EXPORTERS OF
QUALITY VARIETAL PURE/SOYBEANS

- FOB and CIF Quotations worldwide
- Shipments in Bag or Bulk
- Containerized, Barge and Rail
- Direct Farm Purchase
- Well Recleaned and Sized
- Contract Production Available

GRAIN MERCHANTS · EXPORTERS · SEED

FIRST SPICE MIXING CO.
33-33 Greenpoint Ave., Long Island City, NY 11101, Ph. 212-361-2556; Other locations: San Francisco, CA; Toronto, Ontario, Canada.
CONTACT PERSON: Martin U. Heiman
TEXITE extender and binder for meat products.

FOODS & FEEDS U.K. LIMITED
King George V. Dock, Shieldhall, Glasgow, Scotland, United Kingdom, Ph. (041) 445 3864/041 445 4517; TLX: 776174 (FDSFDS G).
CONTACT PERSON: B.P. Agrawalla, Mgr. Dir.
Soy meal, crude degummed soy oil.*

C.B. FOX CO.
220 Camp St., New Orleans, LA 70130, Ph. 504-588-9211; TLX: 58216; TWX: 810-951-6215.
Exporter of grain, soybeans and soy products.

FUJIWARA HISATO S.A.
Comercio e Industria, Rua Libero Badaro, 293, 27th Floor, Sao Paulo, SP-BR, Brazil, Ph. 229-1722; TLX: 11-23226 (FUHI-BR); Plant at: Cambe, PR.
CONTACT PERSON: Nelson Crepaldi, Dir.
Pellets, crude degummed and fully refined oil.

GENERAL SPICE INC.
238 St. Nicholas Avenue, So. Plainfield, N.J. 07080, Ph. 201-753-9100; TWX: 710 997 9547 (SOPD); Other locations: Detroit, MI; Malden, MA.
CONTACT PERSON: Karl H. Brand, Pres.
SOTEX texturized vegetable protein & BAKOTEX imitation bacon bits.

GLOBAL NUTRAMEAL, INC.
R.R , Box 6122, Spirit Lake, IA 51360; Plant at: Emmetsburg, IA.
CONTACT PERSON: Kirk Strauss
Soybeans, corn, NUTRAMEAL (NUTRAMEAL food), bulk or bagged, containerized shipments.

GODREJ SOAPS LIMITED
Pirojsha Nagar, Eastern Express Highway, Vikhroli, Bombay, Maharashtra, India, 400 079, Ph. 584461-9/586861-8; TLX: 11-3480 (AVIX IN); Other locations: Miraj, Maharashtra; Ambattur, Madras; Tirunelveli, Tamil Nadu.
CONTACT PERSON N.B. Godrej, Dir.
Soy meal.*

GOLD KIST INC.
P.O. Box 2210, Atlanta, GA 30301, Ph. 404-393-5050; TLX: 54-2338 and 70-8404.
CONTACT PERSON: Donald H. Price
Soy meal.

GRAIN PROCESSING CORP.
1600 Oregon St., Muscatine, IA 52761, Ph. 319-264-4278; TLX 468497.
CONTACT PERSON: Ralph Wilkinson, Food Prod. Sales Mgr.
Soy protein isolates.

GRANOL IND. COM. EXP. S/A.
Av. Indianopolis, 3303, Sao Paulo, 04063, Ph. (011) 2758254, 2752358, 2767733; TLX: 21275 (GCIL); TWX: 25090 (GCIL); Other locations: Junqueiropolis, S.P.; Tupa, S.P.; Lucelia, S.P.; Oswaldo Cruz, S.P.; Adamantina, S.P.; Pacaembu, S.P.
CONTACT PERSON: Jose Gomes Cadette, Pres.
Soy meal, pellets, crude, refined and degummed soy oil, soybeans.

GRANOLEO S.A.-COM. IND. SEMENTES OLEAGINOSAS E DERIVADOS
Av. Cavalhada No. 4.050, Porto Alegre, R.S., Brazil, Ph. (0512) 49-7368; 49-7734; 49-3757; 48-1122; TLX: (051) 1702; Other plant: Estrada de Moinhos, Estrela, R.S.
CONTACT PERSON: Wu Cheng-Tao, Tech. Dir.
Soy meal and crude oil.*

GREAT WALL ENTERPRISES CO. LTD.
8th Flr., 310 Sec. 4, Chung Hsiao E. Rd., Taipei, Taiwan, Ph. 02-7315761-5.
CONTACT PERSON: John C.J. Ou
Crude and refined soy oil, soy meal, lecithin, fatty acids.*

GURLEY'S INC.
P.O. Box 388, Selma, NE 27576, Ph. 919-965-2303; WATS: 800-334-9631; NC WATS: 672-8131; CABLE: GURLEY.
CONTACT PERSON: Herman Kurrelmeier, Pres.
Soy meal, oil and soybeans for cooking.

HASSELMAN BROKERAGE CO., INC.
Subsidiary of Pan American Trade Development Corporation, 2 Park Ave., New York, NY 10016, Ph. 212-481-1620; TLX: 968672.
CONTACT PERSON: William Hasselman, Pres.
Exporters and domestic brokers of crude, degummed, once refined and fully refined soy oil, soybean meal and soapstocks.

HENKEL CORPORATION
4620 W. 77th St. Minneapolis, MN 55435, Ph. 612-830-7922; TLX: 29-0472.
CONTACT PERSON: Walter A. Whitehill, Dir. of Mktg., Fine Chem.

HI-PRO PRODUCTS, INC.
1605 John St., Fort Lee, NJ 07024, Ph. 201-944-2650; Plant at: Lakeville, MN.
CONTACT PERSON: Jeanne Dubos, Acct. Mgr.
SOYTOWN and SOY AHOY salted, unsalted and barbecue flavored roasted soynuts. Also, roasted flavored bulk soynuts in 25- and 50-lb. capacities.

INARI, LTD.
2331 Forest Rd., Lansing, MI 48910, Ph. 517-882-3323; TLX: 229-440 (MICH AGRI LSG).
CONTACT PERSON: Leonard Stuttman, Pres.
Whole roasted soynuts; salted, unsalted, flavored, carob, yogurt and toffeed, candied soynuts. High quality identity preserved soybeans (for soyfoods industry), organically grown soybeans by request.

INDUSTRIA DE OLEOS PACAEMBU S/A.
Rua Silva Teles, 1465-Pari, Sao Paulo, Brazil, CEP 03026, Ph. (011) 291-8844; TLX: (011) 22374 IOLP; Other plants: Cascavel, Parana; Paranavai, Parana; Paranagua, Parana; Fatima Do Sul, Mato Grosso Do Sul.
CONTACT PERSON: Kanje Adachi, Mgr.
Soy meal and oil.*

INDUSTRIAL E COMERCIAL BRASILEIRA S/A
Praca Senador Florencio, No. 12-10th Flr., Porto Alegre, Brazil, Ph. 0512 25 49 86; TLX: 051 1777.
CONTACT PERSON: Arthur Warth, Dir.
Soy meal and crude soy oil.*

INDUSTRIAL ENTERPRISES CO. LTD.
179 Surawongse Rd., Bangkok, Thailand, Ph. 2354855-9; Other location: Pak Kret, Nonthaburi.
CONTACT PERSON: Viraj Sasivongbhakdi, Dep. Mgr. Dir.
Soy meal.*

INDUSTRIAS DE ACEITE S.A.
P.O. Box 1759, Ballivian 262, Santa Cruz, Bolivia, Ph. 47008-47700.
CONTACT PERSON: Ing. Felipe Campbell, Gen. Mgr.
Soy meal and cooking/salad oil.*

INDUSTRIAS GESSY LEVER LTDA.
P.O. Box 2745, Sao Paulo, SP 01000, Brazil, Ph. 0192-71.1777; TLX: (019) 1461 (VALiNHOS, SP).
CONTACT PERSON: Samuel Aguirre Diaz, Tech. Dir.
Fully refined soy oil in tins, hard margarine in tins, soft margarine in tubs, industrial fats.*

INDUSTRIAS J.B. DUARTE S/A
Rua dos Patriotas, 1382, Sao Paulo, Brazil, 04207, Ph. (011) 274.8211; TLX: 01121226 (IJBDBR); Other location: Santo Anastacio, Sao Paulo.
CONTACT PERSON: Archimedes Jorge Cortellazzi, Dir.
Pellets, beans, crude degummed oil, fully refined oil, tocopherols.*

INTERCONTINENTAL ASSOCIATES INC.
P.O. Box 396, Essex, CT 06426, Ph. 203-767-0224; TLX: 955329; CABLE: INTERCONT.
CONTACT PERSON: W.H. Collins
Soups, seafood specialties, spices, jells, bouquet garni, sauces, gourmet specialties and ONE OUNCE cola, non-alcoholic beverages.

INTERFOOD DEUTSCHLAND GmbH
Div. Interfood Luxemburg SAH, 6380 Bad Homburg, Goldgrubenstr. 6A, Fed. Rep. of Germany, Ph. 06172/22049; TLX: 0415840.
CONTACT PERSON: Hans D. Kneer, Mgr. Dir.
PROTIBLEND-20, protein enriched food preparation containing soy protein and soy oil for application in areas of hunger and disasters.

ITALIANA OLII E RISI S.p.A.
Via Romolo Gessi, 20, Ravenna, 48100, Italy, Ph. 0544-31222; TLX: 550077 IORRA I; Other locations: Porto Corsini, Ravenna; Porto Marghera, Venice; Aprilia, Latina.
CONTACT PERSON: Cavassa Valerio, Foreign Sales Dept.
Industrial lecithin, industrial soy flour, industrial soy oil, soy sterols and tocopherols, soybean fatty acids.*

C. ITOH & CO. (America) INC.
270 Park Ave., New York, NY 10017, Ph. 212-953-5237.
CONTACT PERSON: T. Seno

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Israel, Ph. 252444; TLX: 33441 (OCEAN IL).
CONTACT PERSON: R. Seroussi
Soy meal and oil.

J.K. EXPORT INDUSTRIES
Savitabag, Vadal Road, P.O. Box No. 37, Junagadh 362 003, India, Ph. 1431, 2080, 1389, Resi 914; TLX: 0164-204 (LUCK IN).
CONTACT PERSON: M. B. Patea, Mgr.
Well-toasted yellow extracted soy meal.

JINDAL SOLVENT EXTRACTIONS
Kashipur-244713, India, Ph. 270 and 292.
CONTACT PERSON: Madan Mohan Jindal
Soybean extraction.

KASPER & CIA. LTDA.
Rua dos Andradas, NR. 955-9th Flr., Porto Alegre, Rio Grande Do Sul, 90000, Brazil, Ph. (0512) 33-1588 or 33-4212; TLX: (051) 1569 KASP BR.
CONTACT PERSON: Teldo Kasper Filho, Dir.
Soy meal, crude degummed and refined oils.

KICKAPOO (THAILAND) CO., LTD.
3532 Sukhumvit Rd., Bangna, Bangkok 26, Thailand, Ph. 393-0576, 393-1202.
CONTACT PERSON: Samart Chiraphadhanakul, Mktg. Mgr.
Soymilk.

KLEMM, GABE & CIA. LTDA.
Avenida Paul Harris, 420, Santa Cruz Do Sul, RS, 168, Brazil, Ph. (051) 711-3956 or 711-3923; TLX: 51 2258.
CONTACT PERSON: Armando Gabe, Gen. Mgr.
Toasted soy meal, crude soy oil.

KUWAIT FLOUR MILLS CO. S.A.K.
Jamal Abdulnasser St., P.O. Box 681 Safat, Kuwait, Ph. 841866; TLX: 22209 KT (MATAHEN).
CONTACT PERSON: Aslam Abbasi, Prod. Mgr.
Soy meal.*

LAND O'LAKES INDUSTRIAL SALES
P.O. Box 1087, Eau Claire, WI 54701, Ph. 715-835-2221.
CONTACT PERSON: Steve Jankowiak
Textured soy flour, soy grits, soy flour, dairy soy blends.

LAND O'LAKES SOYBEAN DIVISION
Dawson, MN 56232, Ph. 612-769-4386; TLX: 290 838.
CONTACT PERSON: Truman Devries, Mktg. Mgr.
Soy flour and soy grits.

LIBERTY OIL MILLS
302 Dalamal House, 206 Nariman Point, Bombay, 400 021 Maharashtra, India, Ph. 244445; TLX: 11 6189 (LIBO IN).
CONTACT PERSON: Parvez Kader, partner
Soybean extraction 54% and 50%.*

LOU ANA FOODS INC.
P.O. Box 591, Opelousas, LA 70570, Ph. 318-948-6561; TLX: 58-6645 (LAF OPLS).
CONTACT PERSON: Bobby Harris, Indus. Sales Mgr.
Once refined and fully refined soy oil.*

LUCAS MEYER S.R.L.
Via Venezia 34, Vigonza (PD), 35010, Italy, Ph. (049) 629011; TLX: 430145 (GIPAI).
CONTACT PERSON: Axel Skulte, Pres.
Meat analogs, lecithin, soy flour.*

M.F.A. GRAIN MARKETING DIV.
400 E. Holt St., P.O. Box 39, Mexico, MO 65265; TLX: 1-910-760-1527.
CONTACT PERSON: Morris Crews, Office Mgr.
Soy meal and crude degummed soy oil.

M.P. OIL EXTRACTION PVT. LTD.
22/55 Industrial Area, Raipur 492001, Raipur, Madhya Pradesh, India, Ph. 25027, 26670, 23429; TLX: 0775-215/224 MPOL.
CONTACT PERSON: Shri Suresh D. Manik, Mgr. Dir.
Soybean extraction (de-oiled meal).

MADHUSUDAN VEGETABLE PRODUCTS CO. LTD.
P.O. Rakhial Stn.-382315 Talukai-Dehgam, Ahmedabad, Gujarat, Ph. 22896, 22897, 22898; TLX: 012-482; Other locations: Rakhial; Kadi, Mehsana (Gujarat).
CONTACT PERSON: R.S. Saraogi, C.E.O.
Soy meal and flakes.*

MALWA PROTEINS & OILS PVT. LTD.
E 5/90, Arera Colony, Bhopal (MP) 462016, India, Ph. 64891; TLX: 0705-276 (705-MPOL IN).
CONTACT PERSON: Deepak Suryavanshi, Mgr. Dir.
Soybean extraction (de-oiled cake).*

MALWA VANASPATI & CHEMICAL COMPANY LIMITED
1, Mohatta Nagar, Indore-452 003, M.P., India, Ph. 6353, 6354, 6355; TLX: 0735 228 MVCC IN (MVCC).
CONTACT PERSON: B.S. Mohatta, Chrmn.
Soy meal and de-oiled cake.*

MANGLIAGAON (M.P.) GENERAL FOODS PRIVATE LTD.
150, Jaora Compound, Indore-452001, India, Ph. 6889 or 7467; TLX: 0735-203.
CONTACT PERSON: Dinesh Shahra, Mgr. Dir.
Soy meal and soy protein concentrates.

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ontario, Canada M8Z 5W7, Ph. 416-252-5551; TLX: 06-984560; Other location: Windsor, Ontario, Canada.
CONTACT PERSON: John D. McNamara, Mgr.
Crude, degummed, refined, deodorized, hydrogenated soy oils, soy meals 44%, 48% and hulls.*

MARUBENI AMERICA CORPORATION
200 Park Ave., New York, NY 10166, Ph. 212-599-3755.
CONTACT PERSON: Kenji Gokyu
Exporter of grains and oilseed products.

MARWOOD INTERNATIONAL INC.
1100 Larkspur Landing Circle, Suite 225, Larkspur, CA 94939, Ph. 415-461-2703; TLX: 171 463 (HQLARK).
CONTACT PERSON: Marvin Wood
Soybeans, soy meal and oils.

MEGGITT LIMITED
P.O. Box 199, Parramatta 2150 NSW, Australia, Ph. 638 4466; TLX: AA70 851 (MEGCAM).
CONTACT PERSON: A.D. Rector, Chief Exec.
Soy meal.*

MERLIN S.A. IND. E COM. DE OLEOS VEGETAIS
Av. Dique, s/n, Cx. Postal 2772 e 10,001, Porto Alegre, RGS, Brazil, 90,000; TLX: 051-1053 (MERL).
CONTACT PERSON: A.P.B. Merlin, Pres.
Soy meal and crude degummed soy oil.*

THE MIAMI MARGARINE CO. FOOD SERVICE DIV.
5226 Vine St., Cincinnati, OH 45217, Ph. 513-242-2310.
CONTACT PERSON: Paul R. Horton, Mgr. Food Service
Soy oil, margarine, dressings, peanut butter with soy oil added, shortening.

MICO INC.
P.O. Box 1508, Bloomington, IL 61701, Ph. 309-662-9344.
Grain and seed exporter of soybeans.

MIDWEST SOYA INTERNATIONAL INC.
814 N. 5th, Clear Lake, IA 50428, Ph. 515-357-6131.
CONTACT PERSON: Kim Pleggenkuhle
Exporters of quality, identity preserved soybeans, bulk or bagged containerized shipments, quality soybean meal, soybean seed for planting, commercial grade shipments of soybeans and corn. Export facility at Clear Lake, IA. Barge, rail and truck shipments.

MINASA
Caixa Postal 1101, Campinas, S.P., Brazil, 13.100, Ph. (0192) 42-1966; TLX: 019-1043 (MINABR); Other locations: Araraquara, S.P.; Arapongas, P.R.; Itumbiara, G.O.
CONTACT PERSON: John B. Sieh, Gen. Mgr.*

MOLINOS RIO DE LA PLATA S.A.
Division Oleaginosos, Paseo Colon 746, Buenos Aires, Argentina, 1323, TLX: 22270 (MRPSA AR); Other locations: Avellaneda, Provincia de Buenos Aires; Barranqueras, Chacos.
CONTACT PERSON: Dr. Nolly Sirkis, Div. Mgr.
Soy pellets and soy oil.*

NAKORNCHAISRI OIL INDUSTRIAL CO. LTD.
829-835 Opp. Talad Plu Railway Station, Dhonburi, Bangkok, Thailand, Ph. 465-0659, 466-0529, 466-1014.
CONTACT PERSON: Vichit Vitayathanakorn, Mgr. Dir.
Fully refined oil, cooking/salad oil.*

NAV MAHARASHTRA CHAKAN OIL MILLS
42/43, Shankar Sheth Road, Pune-411 009, Maharashtra, India, Ph. 449449, 449890, 447306; TLX: 014[illegible]349 (NMCIN).
CONTACT PERSON: Shri Shantilal Ratanchand Lunkad
Soybean extraction.

NITICEL B.V.
Sluisstraat 57, P.O. Box 16, Musselkanaal, Netherlands, Ph. 05994 6599; TLX: 53220 tenka nl.
CONTACT PERSON: A. Grooten, Dir.
Lecithin, soy protein concentrates, full fat soy flours, textured soy proteins.*

NOBLEE & THOERL GmbH
Div. of Henkel K GAA, Duesseldorf, Seehafenstraße 24, P.O. Box 90-10-40, 2100 Hamburg 90, Fed. Rep. of Germany, Ph. (40) 77-16-81; TLX: 02-177-13 (NOBLE D).
CONTACT PERSON: Horst Oehl, Sales Mgr.
Hardened, fractionated and interesteryficated oils and fats; fully refined, hydrogenated and fractionated oils. Served by truck, rail, barge, ship.*

NORTH AMERICAN LABORATORY CO., INC.
1717 W. 10th St., Indianapolis, IN 46222, Ph. 317-635-9500
CONTACT PERSON: Dr. K. Hyder, Dir. Mktg.
TVP and soy grits.

OELWERKE NOURY & VAN DER LANDE GmbH
IndustriestraBe 10, 4240 Emmerich/Rhein, Fed. Rep. of Germany, Ph. 02822-741.
CONTACT PERSON: H. Herten, Dir.
Once and fully refined soy oil, soybean stand oils, blown soy oils.*

OLEAGINOSAS ESPANOLAS, S.A.
Nunez de Balboa, 108, Madrid-6, Spain, Ph. (91) 411 4613; TLX: 45302/46918 (OLEA E); Other location: Barcelona, Spain.
CONTACT PERSON: Jose Urbelz, Gen. Mgr.
Crude degummed oil, soy meal and lecithin.*

OLIVEX LTD.
25 Rothschild Blvd., P.O. Box 1498; 61014 Tel Aviv, Israel, Ph. 614451; CABLE: EXOLIV; Other location: Petah Tiqua.
CONTACT PERSON: Dr. Wolf or Uriel Cegla
Soy meal, crude degummed and fully refined oil.*

OLVEBRA S/A INDUSTRIA E COMERCIO DE OLEOS VEGETAIS
Praca Osvaldo do Cruz, 15-16° andar, Porto Alegre-RS, Brazil, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT PERSON: Hans H. Grun, Comm. Dir.
Crude degummed oil in bulk, refined oil in bulk or drum, toasted soy meal (LOWPRO and HIPRO) in bulk and bag, pellets, hydrosoluble soy extract.*

OY KASVIOLJY
21200 Raisio, Ph. Turku 921-780-311; TLX: 62140 (RAUL SF).
CONTACT PERSON: Heikki Siintola, Mgr. Foreign Dept.
Crude degummed soy oil.*

PACIFIC GRAIN CO.
201 W. North St., P.O. Box 189, Farmer City, IL 61842, Ph. 309-928-2185.
CONTACT PERSON: Kenneth J. West
Corn & soybeans to domestic & export markets specializing in quality grain identity preserved.

PACIFIC SOYBEAN & GRAIN
495 DeHaro St., San Francisco, CA 94107, Ph. 415-863-0867
CONTACT PERSON: Daniel J. Burke, Pres.
Varietal pure and organically grown soybeans, soybeans for cooking, sprouting, soymilk & domestic use.

PEAVEY CO.
730 Second Ave. S., Minneapolis MN 55402, Ph. 612-370-7551; TLX: 290125.
CONTACT PERSON: Gordon V. Jones
Exporter of soybeans and soybean products.

PERDIGAC ALIMENTOS S/A
Rua Do Comercio 39, Videira, SC 89560, Brazil, Ph. 0495 33.0155; TLX: 492259 (PERD BR).
CONTACT PERSON: Julio C.M. Brandalise
Crude degummed and refined soy oil, meal, pellets, HIPRO.*

THE PILLSBURY CO.
Feed Ingredient Div., Ph. 612-330-8811; TLX: Domestic - 290198, International - WUI 6879040.
CONTACT PERSON: Dick Barnes, Dir. Soymeal Trading
Soy meal, corn gluten & other feed ingredients.

PLANTERS OIL MILL INC.
P.O. Drawer 2507, Rocky Mount, NC 27801, Ph. 919-442-0193.
CONTACT PERSON: Steve Wilkins, Supt.
Soy meal, crude soy oil.

PRABHAT SOLVENT EXTRACTION INDUSTRIES PVT. LTD.
1st Flr., Sterling Apts., Jawahar Road, Post Box # 76, Rajkot, Gujarat, India 360 001, Ph. 32951, Std. Code 0281; TLX: 0169 234 & 0169 286 (SWAD IN) & (PSEI IN); Other locations: Manavadar, Gujarat; Rajkot, Madhapar, Gujarat.
CONTACT PERSON: Navin D. Vadalia, Mgr.
Indian toasted soybean extractions 50% & 54%.

PREMIER EXTRACTIONS PVT. LTD.
45/47 A. Industrial Area, A.B. Rd., Dewas, Madhya Pradesh, India, Ph. 5989, 38705 or 236-854; TLX: 0735-306 (PREM-IN).
CONTACT PERSON: Sh. G. L. Agrawal, Mgr. Dir.
Soya extractions.*

PRESIDENT ENTERPRISES CORP.
2-20 Yan Haarng., Tainan Yungkang 711, Taiwan, Ph. 532121.
CONTACT PERSON: W.Y. Yang, Sec. Chief
Soy sauce, soy milk, lecithin, margarine.*

PRESTIGE FOODS PVT. LTD.
32, II-C, New Palasia, Indore-452 001, M.P., India, Ph. (0731) 4633 and 33613; TLX: 0735 205 (PFM IN); Other location: Dewas, Madhya Pradesh.
CONTACT PERSON: N.N. Jain, Mgr. Dir.
Soy meal.*

PRO-SEED, INC.
236 Sugar St., Box 55, Blissfield, MI 49228, Ph. 517-486-3520.
CONTACT PERSON: Ronald Jacob, VP
Raw soybeans, clear hilum, identity preserved.

R. T. AGENCIES
AGH Chambers, 379/81, Narshi Natha Street, Bombay, Maharashtra, India, 400 009, Ph. 341 804, 324273, 325555; TLX: 011-4877 (ARTI).
CONTACT PERSON: R. N. Ruia or P. C. Tibrewala
Soy meal.

RALSTON PURINA CO.
Checkerboard Square, St. Louis, MO 63164, Ph. 314-982-2741; TLX: 447620; Other locations: Bloomington, IL; Lafayette, IN; Iowa Falls, IA; Louisville, KY; Kansas City, MO; Raleigh, NC; Memphis, TN.
Soy meal, oil, flour, flakes and grits, lecithin, soy protein isolates, textured soy protein, fiber textured products and structured protein isolates. Polymer Division: PROCOTE and PURINA POLYMER for use in water resistant laminating, corrugating and tube winding adhesives. Sizes and tile coatings, texture paints and topping cements and general water resistant adhesive applications.

REFINADORA DE OLEOS BRASIL S/A
Av. Paulista, 2073-Conj. Horsa II, 2nd Flr., Sao Paulo, S. P., Brazil, 01311, Ph. (011) 287-3122; TLX: (011) 32042 (NEVA BR) and (011) 23827 (ROBR BR); Other locations: Sao Caetano do Sul, S. P.; Araucaria, P. R.
CONTACT PERSON: C. A. Walter or Jacques L. Rochat
Soy meal, pellets, crude degummed and refined soy oil.

RESEGÜE INDUSTRIA E COMERCIO S.A.
Rua Maria Paula, 88, Sao Paulo, Brazil, 01319.
Soy meal, oil and pellets.*

RICELAND FOODS
2120 Park Ave., P.O. Box 926, Stuttgart, AR 72160, Ph. 501-673-5500; Other location: Helena, AR.
Soybeans, fully refined soy oil, soybean varieties, salad oil, lecithin, cooking oil, shortening, soy meal and pellets.

RICHCO GRAIN LTD.
650 5th Ave., New York, NY 10019, Ph. 212-903-2000; TLX: 968076.
CONTACT PERSON: Blair Picard
Crude and refined soy oil and soy meal.

ROSS & ROWE
Div. Archer Daniels Midland Co., P.O. Box 1409, Decatur, IL 62525, Ph. 217-424-5804.
CONTACT PERSON: Lynn Adolphson, Gen. Mgr.
Lecithin.

ROTTERDAMSCHE MARGARINE INDUSTRIE ROMI B.V.
Postbus 20, 3130 AA Vlaardingen, Netherlands, Ph. (010) 340 311; TLX: 25770 ROMI NL.
CONTACT PERSON: D.M. Talmon
Margarine, shortening and cooking/salad oil.*

S.I.O. CASTELFIORENTINO S.p.A.
Via Senese Romana, N. 275, Castelfiorentino (Fi), 500 51, Ph (0571) 64 338; TLX: 570 072 (SIO CF I).
CONTACT PERSON: Luciano Zini, Mgr. Dir.
Cooking oil, soybean fatty acids.*

S.I.O MODENA S.p.A.
Via Farini, N. 56, Modena, 41100, Italy, Ph. (059) 22 2571; TLX: 510138 (SIO MO I).
CONTACT PERSON: Mario Bonfanti, Mgr. Dir.
Cooking oil.*

S.I.O. RAVENNA S.p.A.
Via Farini N. 56, Modena, 41100, Italy, Ph. (059) 22 25 71; TLX: 51 0138 (SIO MO I); Plant: Ravenna.
CONTACT PERSON: Giancarlo Zelocchi, Mgr.
Soy meal, crude degummed oil and industrial lecithin.*

SAN-J INTERNATIONAL INC.
Subsidiary of San-jirushi Corp., 3236 Blvd., Colonial Heights, VA 23834, Ph. 804-520-1513.
CONTACT PERSON: Michael Fountain, Mktg. Mgr.
Shoyu, tamari, miso, teriyaki.

SCHOKHI INDUSTRIALS PVT. LTD.
143 Jolly-Maker Chambers Two, 14th Floor, 225 Nariman Point, Bombay 400 021, India, Ph. 231 320; TLX: 0-11-3078 (UTPA IN); CABLE: UTPADAN.
CONTACT PERSON: Nitin Goel, Dir.
Exporters of soy meal to Far East, Middle East and European markets; soya products, soy meal, soybean extraction, flour, proteins, toasted soya, soya chunks and soya nuggets.*

SCHOUTEN INTERNATIONAL INC.
6750 France Ave. S., Minneapolis, MN 55435, Ph. 612-920-7700; TLX: 290815.
CONTACT PERSON: Jac M. de Hoog, Pres.
Exporters of soybeans and meal, grains, and feed ingredients.

J.M. SCHULTZ SEED COMPANY
105 Pine St., Dieterich, IL 62424-0211, Ph. 217-925-5212; TLX: 910 663 2660 (SCHULTZ DTRK); Other plants: Beardstown, IL; Paris, IL; Woodburn, IN; Ashland, OH.
CONTACT PERSON: Jack Schultz, Pres.
Soybeans for seed, sprouting and edible purposes.

SHEDD'S FOOD PRODUCTS
14401 Dexter Blvd., Detroit, MI 48238, Ph. 313-868-5810; Other locations: Sunnyvale, CA; Elgin, IL; Omaha, NE; Greenville, SC; Dallas, TX.
CONTACT PERSON: John J. Castello, Dir. Food Serv.
Margarine, shortenings, salad and cooking oils.

SHEMEN INDUSTRIES LTD.
P.O. Box 136, Haifa 31000, Israel, Ph. 04-670491; TLX: 46776 (KFood IL).
CONTACT PERSON: Z. Neumann, Mktg. Dir.
Industrial lecithin.*

SHREE KANTI OIL MILLS
Anand Building, 82/84, Kazi Syed St., Bombay 400 003, India, Ph. 32 27 97 or 33 55 21; TLX: 011-3581 (KNTI -IN); Other location: Jamnagar, Gujarat.

SHREE MANSINGKA OIL MILLS LIMITED
258, Kalbadevi Rd., Bombay-400002, Maharashtra, India, Ph. 317791, 296313; Other location: Khandwa, Madhya Pradesh.
CONTACT PERSON: D.P. Mansingka, Jt. Mgr.
Soybean extractions of 50% and 52% protein; soybean flax having 56% protein content.

C.F. SIMONIN'S SONS INC.
Tioga and Belgrade St., Philadelphia, PA 19134, Ph. 215-426-2300.
CONTACT PERSON: W.J. Lewis, Exec. VP
Soy salad oils and soy industrial oils.

SOCIETE INDUSTRIELLE DES OLEAGINEUX: SIO
Direction Proteines, Groupe Lesieur, 122 Av. du General De Gaulle, Boulogne-Billancourt, France 92103, Ph. (1) 604 30 32; TLX: 260917 (SOLEAG).
CONTACT PERSON: Guy Deneck, Proteins Dir.
SOYOPTIM, SOYASSIM, PROTISOYA, DYNASOYA, FLOCOSOYA, SOYADIN and other SIO soy grits and soy flours.*

SOJA FRANCE S.A.
Boulevard Paul Leferme, St. Nazaire 44600, France, Ph. 22-91-07; TLX: 700-941; Plant at: Brest 29200.
CONTACT PERSON: J.L. Lapix, Mgr.
Crude degummed soy oil.*

SOLNUTS B.V.
Swaardvenstraat 41, P.O. Box 5066, 5004 EB Tilburg, Netherlands, Ph. 0130 68-4991; TLX: 52654 (SOLNU NL).
CONTACT PERSON: H. Stolk, Export Mgr.
Dry roasted soybeans, halves and diced soynuts, flavored halves, decoration on basis of soynuts. Snacks on basis of soynuts.*

SINCE 1893

SCHOUTEN INTERNATIONAL INC.
6750 FRANCE AVENUE SOUTH / MINNEAPOLIS, MINNESOTA 55435
Telephone: (612) 920-7700 / Cable: Schouten - Minneapolis / Telex: 290815
SHIPPERS OF GRAINS AND FEED INGREDIENTS TO WESTERN EUROPE AND OTHER WORLD MARKETS
Subsidiary of Schouten/Giessen N.V., Holland

SOON SOON OIL MILLS SDN BHD
Plot 94, Prai Industrial Estate, Prai, Province Wellesley, Butterworth, Penang, Malaysia, Ph. (04) 348277; TLX: MA 40774 (S SOON).
CONTACT PERSON: Dr. Neoh Soon Bin, Mgr.
Crude degummed soy oil and meal.*

SOY-COT SALES INC.
2590 E. Devon Ave., Des Plaines, IL 60018, Ph. 312-297-4160; TLX: 726319· TWX: 910-233-5992.
CONTACT PERSON: Lloyd J. Smith, Pres.
Crude and degummed soy oil, crude and bleachable cottonseed oil, 44% and 50% soybean meal, cottonseed meal.

SPECIALTY GRAINS, INC.
305 S. Linden, Normal, IL 61761, Ph. 309-454-2461; TLX: 250-150 (SGI NORL). Other locations: Norfolk, NE; LeRoy, IL.
CONTACT PERSON: Curt Haynes, Coord.
Bagged and bulk soybeans by variety and type.

A.E. STALEY MFG. CO.
P.O. Box 151, Decatur, IL 62525, Ph. 217-423-4411.
Soy meal, industrial oils, fully refined and hydrogenated soy oils, soy flour, flakes and grits, lecithin, soy whipping agents, seasonings, soy sauce, soy protein concentrates, textured vegetable protein concentrates and textured soy proteins.

STRAYER SEED FARMS INC.
Hudson, IA 50643, Ph. 319-988-3640.
CONTACT PERSON: Dennis Strayer, owner
Raw soybeans, cleaned and bagged.

SUMITOMO CORPORATION OF AMERICA
345 Park Ave., New York, NY 10154, Ph. 212-935-8847; TWX: 710-581-4453.
CONTACT PERSON: S. Ono, Grain & Oilseeds Mgr.
Exporters of grain, oilseed products, soy oil.

TABOR GRAIN CO.
P.O. Box 1470, Decatur, IL 62525, Ph. 217-424-5440; TLX: 250127.
CONTACT PERSON: Burnell Kraft
Soybeans and soybeans for cooking.

TABOR GRAIN CO.
Seed Division, 201 W. North St., P.O. Box 189, Farmer City, IL 61842, Ph. 309-928-2185.
CONTACT PERSON: Kenneth J. West, Mgr.
Conditioners and shippers of high quality certified seed grains, SRF and public varieties of soybean seed.

TAGOL, COMPANHIA DE OLEAGINOSAS DO TEJO SARL
Ave. Republica 44-7°, 1000 Lisbon, Ph. 767521/2; TLX: 14187 (TAGOL P).
CONTACT PERSON: Manuel Mourao, Dir.
Crude degummed soy oil and soy meal.*

TAVLIN LTD. OIL & SOAP FACTORY
Box 36, Rishon-le-Zion, Israel, Ph. 948-224.
CONTACT PERSON: L. Argov, Gen. Mgr.
Soy meal, degummed and refined soy oil, undecorticated cottonseed meal, semi-refined cottonseed oil.

TOSHOKU AMERICA INC.
551 5th Ave., New York, NY 10176, Ph. 212-661-5400; TLX: 12389 (WUI); Parent Company: Toshoku Ltd., Shin-Muromachi, Bldg. No. 4, Nihonbashi Muromachi, 2-Chomé, Chuo-ku, Tokyo, Japan.
CONTACT PERSON: T. Kato, Soybean Mgr.
Soy meal, oil, and soy protein. Trading for foreign countries - especially Europe, Japan and Far Eastern countries.

UNITED FOODS LIMITED
Al-Owais Bldg., 104 Flat, Naser Square, P.O. B Box 5503, Deira, Dubai, United Arab Emirates, Ph. 9714-223214/5/6; TLX: 46689 (VEGOIL EM).
CONTACT PERSON: Naseem Husain, Mgr. Plng.
ASEEL vegetable shortening and MUMTAZ cooking oil.*

VED BRAT & CO.
Sub. of Reg. Soya Protein Ltd., 39-C Prem House, Connaught Place, New Delhi-1, India, Ph. 352761.
CONTACT PERSON: V. Brat, Pres.
Exporter of textured vegetable protein and protein isolates.

VICTORY SOYA MILLS LTD.
333 Lake Shore Blvd. E, Toronto, Ont., Canada M5A1C2, Ph. 416-363-8771.
CONTACT PERSON: B.S. Aitken, Gen. Mgr.
Soy meal, oil, lecithin, flour.*

VIKAS EXPORT INDUSTRIES
3, Gandhi Chambers, Gondal Rd., RAJKOT-2, Rajkot, India, Ph. 88971-88972; TLX: VEIR-281.
CONTACT PERSON: D.G. Patel
De-oiled soy meal.*

VIPPY SOLVEX PRODUCTS PRIVATE LTD.
28 Industrial Area, A.B. Rd., Dewas 455-001 M.P., India, Ph. 581; TLX: 0732-201 (VSPIN).
CONTACT PERSON: Prakash Mutha, Mgr. Dir.
Export soy meal, 60%, 54%, 50%, 48%; soybean deoiled cake, 30% profat; defatted soy flour.*

WELLENS & CO. INC.
6600 France Ave. S., Minneapolis, MN 55435, Ph. 612-925-4600.
CONTACT PERSON: LeRoy Wellens, Pres.
Merchandisers and exporters of soy meal and feed ingredients, including animal proteins, both in bags and bulk.

WOODWARD & DICKERSON INC.
Woodward House, 937 Haverford Rd., Bryn Mawr, PA 19010, Ph. 215-527-5200; TLX: 084-5244; TWX: 510-662-3381.
CONTACT PERSON: M. McCarthy, Oilseed Prod. Sls.
Crude, crude degummed, fully refined/edible, hydrogenated oils, textured vegetable protein and soy flour; fatty acids; protein meals -44% and high protein 49% profat.

buyer's guide
to products & services

How to Use the 1983 Buyer's Guide

The Buyer's Guide can best be used by locating the desired product or service in the Category Listing beginning below. Once the page number is obtained, turn to the corresponding page under Products and Services beginning on page 106. A group of suppliers will be listed under the heading desired. To contact any or all of the suppliers, turn to the Manufacturers & Suppliers Guide beginning on page 141. Additionally, each company can be found in the index beginning on page 210.

COMMERCIAL EQUIPMENT & SUPPLIES 106

SOY PRODUCT PROCESSING EQUIPMENT & SUPPLIES 120

FARM EQUIPMENT & SUPPLIES 135

COMMERCIAL SERVICES 137

Category Listing

Air classifiers 106
Analytical laboratories 137
Analyzers, grain 112
Analyzers, oil/fat & oil/fiber 116
Analyzers, protein and/or miscellaneous 128
Anti-caking agents 120
Aspirators 106
Automatic samplers 106
Automation 106
Bagging equipment 106
Bags 106
Batching systems 108
Bearings 108
Belting 108
Belting accessories, commercial 108
Belting accessories, farm 135
Bleaching & filtering equipment 120
Breeders, soybean 140
Brokers 137
Buckets, elevator 112
Catalysts 120
Chains 108
Chemical applicators, granular 135
Classifiers, air 106
Cleaning, lubricating equipment 108
Color measuring instruments 108
Commodity news services 140
Complete plants 120
Condensors 120
Conditioners & coolers
see drying & aeration 110
Construction contractors 137
Consulting:
Equipment 137
Marketing 137
Plant layout 138
Regulatory affairs 138
Continuous countercurrent
solvent extraction equipment 122
Continuous screw presses 122
Contract research, (Pilot scale) 138
Contractors, construction 137
Control instruments, systems 108
Conveyors, elevators; commercial 108
Conveyors, elevators; farm 135
Cookers, extruders 122
Coolers, fluidized bed 122
Covers, hopper cars 140
Cracking & flaking equipment 126
Degumming equipment 122
Dehulling equipment 124
Deodorization equipment 124
Desolventizer toaster 124
Distillate purchaser 138
Drying & aeration:
Conditioners & coolers 110
Grain dryers 110
Meal dryers 110
Drying & aeration equipment, farm 135
Dust control filter bags 112
Dust control systems 112
Electrolyzers 126
Elevator buckets 112
Elevator lifts 112

Elevator and processor storage
see soy storage 118
Engineering services 138
Export, import warehousing 139
Extruders, cookers 122
Fans 112
Farm equipment, general 135
Fat splitters 126
Fatty acid distillation equipment 126
Fertilizers 135
Field warehousing 119
Filter bags, dust control 112
Filtering & bleaching equipment 120
Flaking & cracking equipment 126
Flow aids, material 116
Flow measurement instruments 112
Forwarding agents 139
Fumigants 112
Fungicides, seed protectants 135
General farm equipment 135
Grading equipment, grain 114
Grain analyzers 112
Grain & material handling equipment 114
Grain cleaning, separating
equipment; commercial 114
Grain cleaning, separating
equipment; farm 135
Grain dryers
see drying & aeration 110
Grain grading equipment 114
Grinding & mixing equipment 114
Heat exchangers 126
Herbicides 136
Hopper cars, covered, tanks 140
Hydraulic pressing equipment, industrial 128
Hydrogenation equipment 128
Import, export warehousing 139
Industrial hydraulic
pressing equipment 128
Inoculants 136
Insecticides 136
Inspection services 139
Laboratories, analytical 137
Laboratory equipment 116
Level indicators, material 116
Lifts, elevator 112
Lifts, truck 118
Lubricating & cleaning equipment 108
Margarine equipment 128
Material and grain handling equipment 114
Material flow aids 116
Material level indicators 116
Meal dryers
see drying & aeration 110
Metal detection, quality control 117
Milling services 140
Mixing & grinding equipment 114
Moisture testers 116
Neutralization equipment 128
News services, publications 140
News wires, commodity 140
Oil/fat & oil/fiber analyzers 116
On-farm processing equipment 136
Packaging & weighing 119
Pelleting equipment 116
Physical refining 128
Plant protectants 136
Power transmission equipment 116
Protein and/or miscellaneous analyzers 128
Protein plants 130
Publications, news services 140
Pumps 117
Quality control metal detection 117
Railway siding devices 117
Recorrugation, milling services 140
Replacement rolls, milling services 140
Samplers, automatic 106
Scales, commercial 117
Scales, farm 136
Screeners 130
Screens, sifter 117
Screw presses, continuous 122
Seasonings 130
Seed suppliers 140
Seed protectants, fungicides 135
Shortening equipment 130
Siding devices, railway 117
Sifter screens 117
Sifters 117
Soapstock equipment 130
Solvent extraction
distillation equipment 130
Solvent extraction equipment
continuous countercurrent 122
Solvent recovery equipment 132
Solvent vapor detection & control 132
Solvents 132
Soy storage:
Building 118
Elevator & processor units 118
Tanks, liquid storage 118
Soybean breeders 140
Soyfoods industry database 140
Soymilk & tofu equipment 132
Spraying equipment 136
Storage, soy
see soy storage 118
Storage units, farm 136
Surveying & weighing 140
Tank & covered hopper cars 140
Tank & covered hopper car covers 140
Tanks, liquid storage
see soy storage 118
Temperature systems, commercial 118
Temperature monitors, farm 136
Testers, moisture 116
Toaster, desolventizer 124
Tofu & soymilk equipment 132
Transmission equipment, power 116
Transportation 140
Truck lifts 118
Unloaders 118
Used equipment, farm 136
Used equipment, soy product 132
Vibrator screens 118
Vibrators 119
Warehousing, field 119
Warning systems 119
Waste water treatment equipment 119
Weather services 140
Weighing & packaging 119
Weighing & surveys 140
Winterization equipment 132

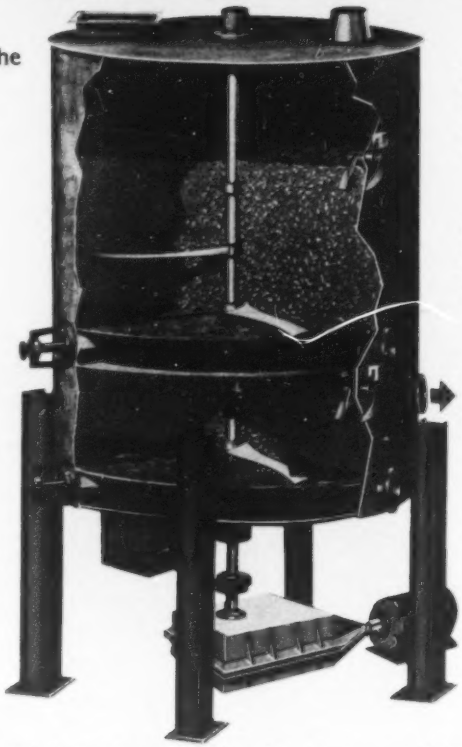
Crown Hull Toaster-Cooler

Advantages of the Crown Hull Toaster-Cooler

Uniform heating and moisturization by live, saturated steam.

Uniform cooling and drying by cool rising air.

Maximum efficiency by true counter-current heating and cooling, lower steam consumption, less conveying, lower horsepower requirements.



Better results through direct steam contact, automatically adjusted bed levels, low steam/meal velocities, longer retention time.

Safer operation due to lower temperatures, fully automatic controls, simple two-stage process.

Reduced maintenance thanks to one piece, two-stage design and tight, heavy-duty construction.

A typical soybean processing plant produces oil, meal and hulls. The Crown Hull Toaster-Cooler is designed to toast, dry and cool hulls producing a product that is excellent for animal feed.

Hulls enter the two-stage Toaster-Cooler from the top and build to a controlled depth on the first tray. Steam is injected through the perforated tray and passes up through the hull bed, raising hull temperature and moisture to optimum toasting levels.

Toasting occurs as hulls move downward through the flow of live steam. Agitator arms driven by a central shaft keep the material moving, prevent steam channeling and provide uniform, direct-contact toasting. Retention time is uniform for all particles, resulting in extremely efficient processing plus consistent color and quality.

After toasting, material is automatically metered from the first to the second tray. Ambient air is introduced, forced up through the bed. Sweep arms ensure intimate contact for efficient drying and cooling. At the end of this cycle, hulls are cool to the touch, uniform in size, color and quality and ready for grinding.

The Crown Hull Toaster-Cooler saves mechanical and steam energy by using a low velocity, long retention process for both toasting and cooling. This results in lower operating cost and the best possible product.

CROWN

PROCESS EQUIPMENT DIVISION

Crown Iron Works Co.

1229 Tyler St. NE., P.O. Box 1364, Minneapolis, MN 55440

Phone (612) 781 3101

products & services

Addresses for these products follow on page 141.

COMMERCIAL EQUIPMENT & SUPPLIES

AIR CLASSIFIERS

Alpine American Corp.
Buhler-Miag, Inc.
Cargill Agricola S.A. (Brazil)
Carter-Day Company
Codem ., Inc.
DuMond Company, Inc.
S. Howes Co., Inc.
Kice Metal Products Co. Inc.
M.P. State Cooperative Oilseed Growers' Federation Ltd. (India)
Prater Industries, Inc.
Pulverizing Machinery, Div. of MikroPul Corp.
Sprout-Waldron Division Koppers Company, Inc.
Triple/S Dynamics, Inc.

ASPIRATORS

Alpine American Corp.
BLOUNT/ferrell ross
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Carter-Day Company
Codema, Inc.
Crippen Mfg. Co. Inc.
Dabney-Hoover Supply Co., Inc.
DuMond Company, Inc.
Entoleter Division, Safety Railway Serv. Corp.
Forsbergs Inc.
French Oil Mill Machinery Company
Gustafson, Inc.
S. Howes Co., Inc.
Huntley Mfg. Co. Inc.
Kice Metal Products Co. Inc.
Oliver Manufacturing, Inc.
Sprout-Waldron Division Koppers Company, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Company

AUTOMATIC SAMPLERS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Carter-Day Company
Dabney-Hoover Supply Co., Inc.
Grain Probe Sales & Service
Gustafson, Inc.
Houston Public Grain Elevator
InterSystems, Inc.
Jaham Mfg. Co. Inc.
Quality Control Equipment Co.

AUTOMATION

C.A. Facegra (Venezuela)
Gustafson, Inc.
MCC Powers

BAGGING EQUIPMENT

Cargill Agricola S.A. (Brazil)
The Chantland Company Division of Douglas & Lomason Co.
Chase Bag Co.
Dabney-Hoover Supply Co., Inc.
DuMond Company, Inc.
Fagrave S.A. (Colombia)
Dave Fischbein Company
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
A. Gusmer, Inc.
Hagan Mfg. Co.
Howe Richardson Co.
S. Howes Co., Inc.
Langston Bag Co., Inc.
Quality Control Equipment Co.
Seedburo Equip. Co.
Smico Mfg. Corp.
Troika Processes Pvt. Ltd. (India)
D. W. Tyler Company

BAGS

Chase Bag Co.
Fagrave S.A. (Colombia)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Great Plains Bag Corp.
Grief Bros. Corp.

KICE..."U.S. Supermarket" for Skilled Air Systems

and Engineered Components for Grain Processors and Related Industries.

KICE
METAL PRODUCTS CO., INC.

2040 SOUTH MEAD AVE., P.O. BOX 11388 WICHITA, KANSAS 67202-0388 USA, 316 / 267-4281

SYSTEMS

AIR MAKE UP/MILL BALANCE
Exclusive Modugate Air Control

AIR STABILIZATION
Industrial Air Conditioning for Mills

ASPIRATION, PARTICULATES
Terminal Velocity Separation

BULK MATERIAL HANDLING
Pneumatic & Mechanical Systems

CLEANING, CLASSIFYING
Famous Kice MultiAspirators

DRYERS & COOLERS
Flour, other powders & particulates

DUST & POLLUTION CONTROL
Fans, Filters, Cyclones, Piping, etc.

GRAIN AERATION, CLEANING
Custom Engineered Systems

HEATING & HEAT RECOVERY
Recycle for heating economy

HUMIDITY CONTROL
Spray Chambers & Systems

PNEUMATIC CONVEYING
Most types, sizes, stationary, portable

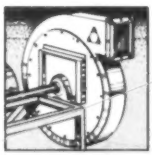
SPEED SPOUT & DUST DUCT
Prefab Fittings & Piping

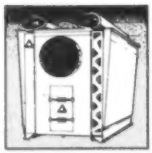
VACUUM CLEANING
For Safety & Sanitation

ALL the above
PLUS
Custom Metalwork and Engineering

PARTIAL LIST OF KICE COMPONENTS

Air Lock Valves, Injectors
Air Locks, Blow-Thru Type
Air Locks, Jet-Under Type
Air Locks, Drop-Thru Type
Air Locks, Inboard Bearings
Air Locks, Outboard Bearings
Air Power Unit Assemblies
Air Pumps, Positive Displacement
Aspirators, Multi-Aspirators
Aspirators, Tangential Type
Bin Bottoms, Fluidized Flow
Castings, Gray Iron & Ductile
Couplings — Compression
Cyclones, High Efficiency
Cyclones, Heavy Duty
Dead Fall Boxes
Dust Collectors, Centrifugal
Dust Collectors, Mechanical
DUST DUCT — Pipe & Fittings
Eliminator Reel Screeners
Ells, Gravity & Pneumatic
Fans, Air Foil Type
Fans, Centrifugal
Fans, High Pressure
Fans, High Volume
Fans, Multi-Stage
Fans, Non-Overloading
Fans, Radial Type
Fans, Single Stage
Feeders, Rotary Vanes
Filters, Air (Bag Type)
Filters, Bin Top, Unitary
Filters, High Temperature, 500° F
Filters, Modular Type
Filters, Pulse Jet Type
Filters, Reverse Air
Filter Bags, Felt & Knit
Flex Metal Hose & Fittings
Magnets, Spout Type
Modugate Air Controls
Mufflers for Fans, Air Pumps
Multi-Aspirators
Pneumatic Car Unloader
Pneumatic Transporter, Portable
Rain Caps, Ventilators
Reels, Eliminator Screens
Rubber Hose & Fittings
Separators, Cyclonic
Sifter Knees
Silencers, for Fans & Air Pumps
Slide Gates, Manual & Automatic
SPEED SPOUT — Pipe & Fittings
Stream Splitters, Pneumatic
Stream Splitters, Rotary
Stream Spreaders, Rotary
Tubing, Aluminum & Steel
Unloaders, Air Slide Car
Vacuum Sweep Tools, Fittings
Vacuum Unloaders
Valves, Air Locks
Valves, 2-Way — Gravity or Pneumatic
Valves, 3-Way — Gravity or Pneumatic





Langston Bag Co., Inc.
Pulverizing Machinery, Div. of MikroPul Corp.
Werthan Industries Inc.

BATCHING SYSTEMS

Technicon Industrial Serv.

BEARINGS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Browning Mfg. Div. Emerson Electric Co.
Dabney-Hoover Supply Co., Inc.
Deere and Company
Dodge/Reliance Electric
Divine Engineering, Inc.
Du-Val Industrial Foreign Trade Corporation
Electrical Engineering & Equipment Co.
Fagrave S.A. (Colombia)
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
Houston Public Grain Elevator
Jeffrey Manufacturing Div., Dresser Industries
PT Components, Inc. Link-Belt Bearing Div.
Troika Processes Pvt. Ltd. (India)

BELTING

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Browning Mfg. Div. Emerson Electric Co.
Dabney-Hoover Supply Co., Inc.
Deere and Company
Dodge/Reliance Electric
Du-Val Industrial Foreign Trade Corporation
Electrical Engineering & Equipment Co.
Fagrave S.A. (Colombia)
Fort Worth Steel & Machinery
Houston Public Grain Elevator
Newell Machinery Co., Inc.
Scandura Inc.
Siegling America Inc.
Sweet Manufacturing Co.
Troika Processes Pvt. Ltd. (India)
Universal Industries
H.R. Williams Mill Supply Company

BELTING ACCESSORIES

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Browning Mfg. Div. Emerson Electric Co.
Dabney-Hoover Supply Co., Inc.
Deere and Company
Electrical Engineering & Equipment Co.
Fagrave S.A. (Colombia)
Flexible Steel Lacing Co.
Houston Public Grain Elevator
Martin Engineering Co.
Scandura Inc.
Troika Processes Pvt. Ltd. (India)
Universal Industries

CHAINS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Browning Mfg. Div. Emerson Electric Co.
Codema, Inc.
Dabney-Hoover Supply Co., Inc.
Deere and Company
Divine Engineering, Inc.
Dodge/Reliance Electric
Du-Val Industrial Foreign Trade Corporation
Electrical Engineering & Equipment Co.
C.A. Facegra (Venezuela)
Fagrave S.A. (Colombia)
Fort Worth Steel & Machinery
Houston Public Grain Elevator
M.P. State Cooperative Oilseed Growers Federation Ltd. (India)
Newell Machinery Co., Inc.
PT Components, Inc.
Power Transmission Div.
Troika Processes Pvt. Ltd. (India)

CLEANING LUBRICATING EQUIPMENT

Cargill Agricola S.A. (Brazil)
C.A. Facegra (Venezuela)
Houston Public Grain Elevator
Wheelabrator-Frye Inc.

COLOR MEASURING INSTRUMENTS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
CORDIL, C.A. (Venezuela)
The Tintometer Ltd. (England)

CONTROL INSTRUMENTS, SYSTEMS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
Bindicator Company
Browning Mfg. Div. Emerson Electric Co.
Cargill Agricola S.A. (Brazil)
Control Assemblies Co.
Curtis & Tompkins Ltd.
Dickey-john Corporation
ERDCO Engineering Corp.
The Foxboro Company
Honeywell/Process Control Division
Howe Richardson Co.
Lakeland Engineering Equipment Co.
MCC Powers
Newport Instruments Ltd. (England)
Wesmar Industrial System Div.

CONVEYORS, ELEVATORS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
BLOUNT/ferrell-ross
BLOUNT/mix-mill

DIVINALATORS

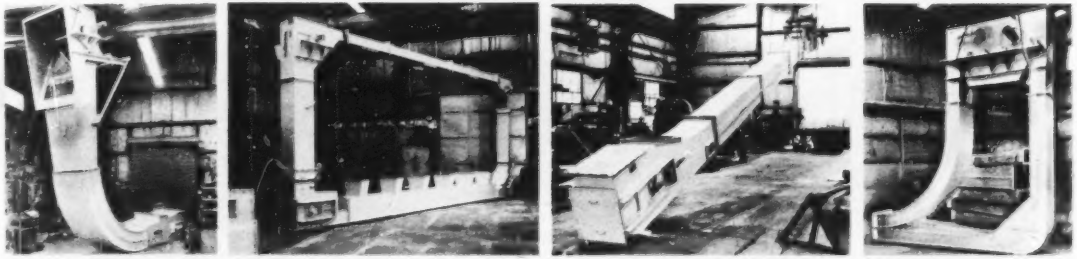
EN MASSE CONVEYORS

CONVEYOR, FEEDER, ELEVATOR, OR COMBINATION

POSITIVE — MANY PATHS

VAPOR, LIQUID, OR DUST TIGHT

MODIFIED TO SUIT ANY INSTALLATION, FIELD PROVEN OVER 30 YEARS



DIVINE ENGINEERING, INC.

5440 6th St. SW, P. O. Box 1345 CEDAR RAPIDS, IOWA 52406 319—365-0564

Jared S. Hills

Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Cargill Agricola S.A. (Brazil)
The Chantland Company - Div. of Douglas & Lomason Co.
Codema, Inc.
COROIL, C.A. (Venezuela)
Dabney-Hoover Supply Co., Inc.
Damman-Croes SA (Belgium)
Divine Engineering, Inc.
DuMond Company, Inc.
Dunbar Kapple
Du-Val Industrial Foreign Trade Corporation
Electrical Engineering & Equipment Co.
FMC Corporation, Material Handling Systems Div.
Fagrave S.A. (Colombia)
Feeco International, Inc.
Dave Fischbein Company
Forsbergs Inc.
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
A. Gusmer, Inc.
Hagan Mfg. Co.
Hayes & Stolz Industrial Mfg. Co., Inc.
Houston Public Grain Elevator
S. Howes Co., Inc.
InterSystems, Inc.
Jeffrey Manufacturing Div., Dresser Industries
Kice Metal Products Co. Inc.
Lakeland Engineering Equipment Co.
Masiero Industrial S/A (Brazil)
Mathews Co.
Mid-Americas Products, Inc.
Multilift, Inc.
Newell Machinery Co., Inc.
Oliver Manufacturing Inc. Portable Elevator Division
George A. Rolfes Company
Screw Conveyor Corp.
Seedburo Equip. Co.
Speed King Mfg. Co., Inc.
Sprout-Waldron Division Koppers Company, Inc.
Sweet Manufacturing Co.
Thomas Conveyor Co.
Tramco Metal Products, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Co.
Universal Industries
Wheelabrator-Frye, Inc.

DRYING & AERATION

CONDITIONERS & COOLERS

Aeroglide Corp.
American Drynamics Inc.
Chicago Eastern Corp.
Crown Iron Works Co.
Damman-Croes SA (Belgium)
Davenport Machine & Foundry Co.
Dedert Corporation
DuMond Company, Inc.
Du-Val Industrial Foreign Trade Corporation
FMC Corporation, Material Handling Systems Div.
French Oil Mill Machinery Co.
Hagan Mfg. Co.
Jeffrey Manufacturing Div., Dresser Industries
Kice Metal Products Co. Inc.
Masiero Industrial S/A (Brazil)
N. Hunt Moore & Assoc., Inc.
Moorhead Machinery and Boiler Company
Ponndorf Maschinenfabrik, GmbH (Fed. Rep. of Germany)
Process Mechanical, Inc.
Sprout-Waldron Division Koppers Company, Inc.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)

GRAIN DRYERS

Aeroglide Corp.
American Drying Systems, Inc.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Berico Industries
BLOUNT/ferrell-ross
Buhler Brothers Ltd. (Switzerland)
Cargill Agricola S.A. (Brazil)
Carter-Day Co.
Chicago Eastern Corp.
Dabney-Hoover Supply Co., Inc.
Damman-Croes, S.A. (Belgium)
Davenport Machine & Foundry Co.
DriAll, Inc.
DuMond Company, Inc.
FMC Corporation, Material Handling Systems Div.
Farm Fans, Inc.
Fratelli De Vita S.P.A. (Italy)
French Oil Mill Machinery Company
A. Gusmer, Inc.
Kuss Corporation
M.P. State Cooperative Oilseed Growers Federation Ltd. (India)
M & W Gear Company
Mathews Co.
N. Hunt Moore & Assoc., Inc.
Ponndorf Maschinenfabrik, GmbH (Fed. Rep. of Germany)
Superior Welding Company
Triple/S Dynamics
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Company
Vishwa Oil Products Ltd. (India)
Zimmerman Equipment Company

MEAL DRYERS

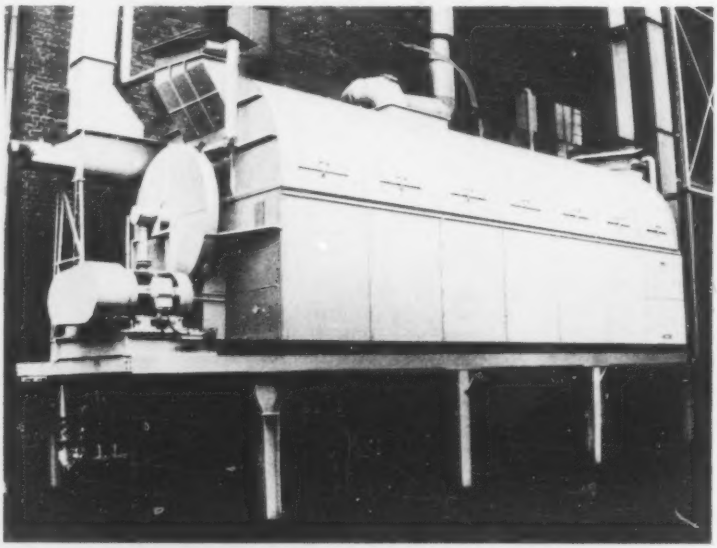
American Drynamics Inc.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Cargill Agricola S.A. (Brazil)
Crown Iron Works Co.
Damman-Croes S.A. (Belgium)
Davenport Machine & Foundry Co.
Dedert Corporation
DuMond Company, Inc.
FMC Corporation, Material Handling Systems Div.
Fratelli De Vita S.P.A. (Italy)
French Oil Mill Machinery Company
A. Gusmer, Inc.
M.P. State Cooperative Oilseed Growers Federation Ltd. (India)
Masiero Industrial S/A (Brazil)
N. Hunt Moore & Assoc., Inc.
Moorhead Machinery and Boiler Company
Nadustco, Inc.
Ponndorf Maschinenfabrik, GmbH (Fed. Rep. of Germany)
Process Mechanical, Inc.

VETTER dryers for oilseed processing

1 Conditioning crushed or whole seeds
a) with additional drying
b) with additional moistening.

2 Drying desolventized meal

3 Cooling the dried meal



With these advantages...

- Low energy requirements
- Surface areas to 16,000 square feet
- Potential for heat recovery
- Easy installation
- Solvent recovery

To discuss your specific needs, please contact...

DEDERT

DEDERT CORPORATION
20000 Governors Dr., Olympia Fields, IL 60461-1074
(312) 747-7000 Telex: 25-3889 Cable: DEDERTCORP.

Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)

DUST CONTROL FILTER BAGS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Carter-Day Co.
DuMond Company, Inc.
C.A. Facegra (Venezuela)
Fratelli DeVita S.P.A. (Italy)
Houston Public Grain Elevator
Kice Metal Products Co. Inc.
Langston Bag Co., Inc.
Pulverizing Machinery - Div. of MikroPul Corp.
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)
H.R. Williams Mill Supply Company

DUST CONTROL SYSTEMS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Bindicator Company
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Carter-Day Co.
Codema, Inc.
DuMond Company, Inc.
C.A. Facegra (Venezuela)
Feeco International, Inc.
Forsbergs Inc.
Fratelli De Vita S.P.A. (Italy)
Houston Public Grain Elevator
Kice Metal Products Co. Inc.
MikroPul Corporation
Nadustco, Inc.
Oliver Manufacturing, Inc.
Pulverizing Machinery - Div. of MikroPul Corp.
George A. Rolfes Company
Sprout-Waldron Division Koppers Company, Inc.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Company
Vishwa Oil Products Ltd. (India)
Wheelabrator-Frye, Inc.

ELEVATOR BUCKETS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Codema, Inc.
Dabney-Hoover Supply Co., Inc.
Damman-Croes S.A. (Belgium)
Fort Worth Steel & Machinery
Houston Public Grain Elevator
Jeffrey Manufacturing Div., Dresser Industries
Newell Machinery Co., Inc.
Screw Conveyor Corp.
Seedburo Equip. Co.
Sprout-Waldron Division Koppers Company, Inc.
Sweet Manufacturing Co.
Troika Processes Pvt. Ltd. (India)
Universal Industries
K.I. Willis Corp.

ELEVATOR LIFTS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Bender-Ross Equipment Co. Inc.
Dabney-Hoover Supply Co., Inc.
Fagrave S.A. (Colombia)
Fort Worth Steel & Machinery
Jeffrey Manufacturing Div., Dresser Industries
Portable Elevator Division
Troika Processes Pvt. Ltd. (India)

FANS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Carter-Day Co.
Chicago Eastern Corp.
Dabney-Hoover Supply Co., Inc.
C.A. Facegra (Venezuela)
Fagrave S.A. (Colombia)
Farm Fans, Inc.
Forsbergs Inc.
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
Houston Public Grain Elevator
Kice Metal Products Co. Inc.
Mathews Co.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler

FLOW MEASUREMENT INSTRUMENTS

Elliott Automation Co. Inc.
ERDCO Engineering Corp.

FUMIGANTS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Cargill Agricola S.A. (Brazil)
Gustafson, Inc.
Houston Public Grain Elevator

GRAIN ANALYZERS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
Dickey-john Corporation
Foss America Inc.
M.P. State Cooperative Oilseed Growers Federation Ltd. (India)
Newport Instruments Ltd.
Oxford Analytical Instruments Ltd. (England)
Oxford Instruments North America, Inc.
Pacific Scientific, Gardner/Neotec Instrument Div.
Seedburo Equip. Co.
Technicon Industrial Systems
Vishwa Oil Products Ltd. (India)

Let us put our 30 years of experience to work for you in . . .

...the preparation of soybeans

- energy efficient **ESCHER WYSS*** System for soybean drying, dehulling and conditioning
- IRLE replacement flaking and cracking rolls for all makes of mills - the rolls proven by American processors for over 40 years
- **CHAMPION** Hammermills for efficient and economical meal and hull grinding.

...solvent extraction

- steam saving distillation systems
- solvent recovery systems

Whether expanding or updating your plant or planning a new processing plant, take advantage of our 3 decades of experience.

WE'RE "CLOSE" TO YOUR PROCESS...

***ESCHER WYSS** G.m.b.H.
D-7980 Ravensburg • West Germany • Telephone #(07 51) 832314 • Telex #732901

N. Hunt Moore & Assoc., Inc.

**3951 Senator St. • P.O. Box 18599 • Memphis, Tennessee 38118
Telephone #(901) 362-3267 Telex #53890**

GRAIN & MATERIAL HANDLING EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Avco New Idea Farm Equip.
Bazooka Grain Moving Systems
Bindicator Company
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Carter-Day Co.
The Chantland Company - Div. of Douglas & Lomason Co.
Codema Inc.
Dabney-Hoover Supply Co., Inc.
Damman-Croes SA (Belgium)
Deere and Company
Divine Engineering, Inc.
Dunbar Kapple
Electrical Engineering & Equipment Co.
C.A. Facegra (Venezuela)
Farm Fans, Inc.
Feeco International, Inc.
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
A. Gusmer, Inc.
Hagan Mfg. Co.
Hayes & Stolz Industrial Mfg. Co., Inc.
Houston Public Grain Elevator
Howe Richardson Co.
S. Howes Co., Inc.
InterSystems, Inc.
Jeffrey Manufacturing Div., Dresser Industries Inc.
Kice Metal Products Co. Inc.
Lakeland Engineering Equipment Co.
M.P. State Cooperative Oilseed Growers Federation Ltd. (India)
Mathews Co.
Newell Machinery Co., Inc.
Oliver Manufacturing, Inc.
Portable Elevator Division
Dennis E. Roby & Associates Inc.
Screw Conveyor Corp.
Seedburo Equip. Co.
Speed King Mfg. Co., Inc.
Sprout-Waldron Division Koppers Company, Inc.
Straight Engineering Co.
Sweet Manufacturing Co.
Thomas Conveyor Co.
Tramco Metal Products, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
D. W. Tyler Company
Universal Industries

GRAIN CLEANING, SEPARATING EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alpine American Corp.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Hermann Bauermeister Maschinenfabrik GmbH (Fed. Rep. of Germany)
BLOUNT/ferrell-ross
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
CE Bauer
Carter-Day Co.
Codema, Inc.
Crippen Mfg. Co. Inc.
Dabney-Hoover Supply Co., Inc.
Damman-Croes SA (Belgium)
DuMond Company, Inc.
Farm Fans, Inc.
Forsbergs Inc.
French Oil Mill Machinery Company
A. Gusmer, Inc.
Gustafson, Inc.
Hagan Mfg. Co.
S. Howes Co., Inc.
Huntley Mfg. Co. Inc.
InterSystems, Inc.
Jeffrey Manufacturing Div., Dresser Industries
Kice Metal Products Co. Inc.
Mathews Co.
N. Hunt Moore & Assoc., Inc.
Oliver Manufacturing Co.
Prater Industries, Inc.
Rotex Inc.
Seedburo Equip. Co.
Smico Mfg. Corp.
Sprout-Waldron Division Koppers Company, Inc.
Sweco, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Company
Vishwa Oil Products Ltd. (India)
H.R. Williams Mill Supply Company

GRAIN GRADING EQUIPMENT

Buhler Brothers Ltd. (Switzerland)
Carter-Day Company
Codema, Inc.
Crippen Mfg. Co. Inc.
Dabney-Hoover Supply Co., Inc.
Forsbergs Inc.
Gustafson, Inc.
Hagan Mfg. Co
Huntley Mfg. Co. Inc.
M.P. State Cooperative Oilseed Growers' Federation Ltd. (India)
Mathews Co.
Seedburo Equip. Co.
Sprout-Waldron Division Koppers Company, Inc.
Troika Processes Pvt. Ltd. (India)
H.R. Williams Mill Supply Company

GRINDING & MIXING EQUIPMENT

Alpine American Corp.
Hermann Bauermeister Maschinenfabrik GmbH (Fed. Rep. of Germany)
BLOUNT/mix-mill
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Buss-Condux, Inc.
Dabney-Hoover Supply Co. Inc.
Damman-Croes SA (Belgium)
Deere and Company
DuMond Company, Inc.
Entoleter Division, Safety Railway Service Corp.
Feeco International, Inc.
French Oil Mill Machinery Company
Hayes & Stolz Industrial Mfg. Co., Inc.
S. Howes Co., Inc.
Jacobson Machine Works, Inc.
MikroPul Corp.
Modern Process Equipment Inc.
Prater Industries, Inc.
Pulverizing Machinery, Div. of MikroPul Corp.

FOR PRECISION PROCESSING EQUIPMENT ...WE'RE SUPERIOR

At Superior we design, engineer, fabricate and erect all types of precision built, high performance rotary processing equipment in sizes up to 13' in diameter:

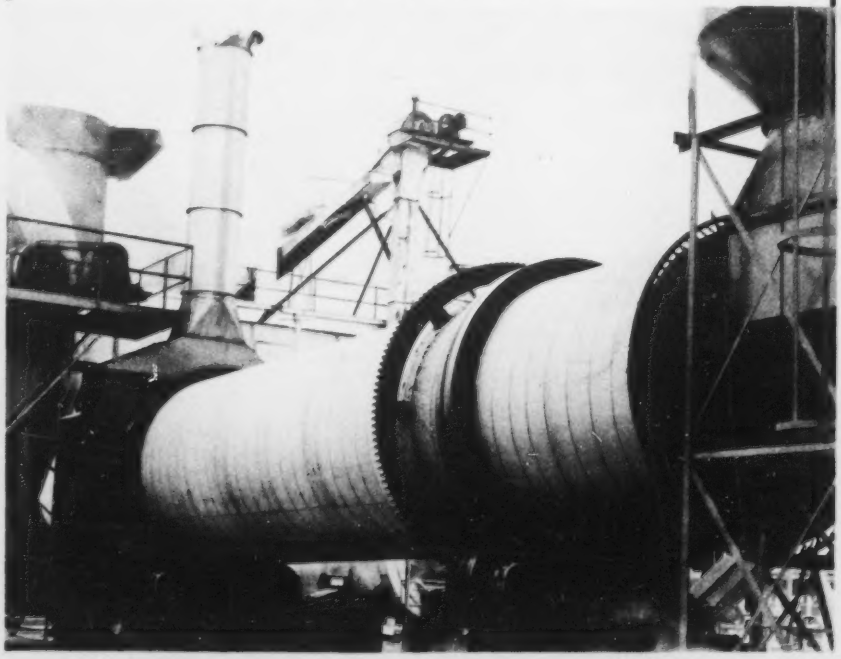
DRYERS. . .rotary steam tube, direct fired, hot air single, multiple pass.

COOLERS. . .rotary water tube and air.

SPECIALTY ROTARIES. . .for the unusual applications.

We offer that rare combination of large, modern facilities; competent, experienced personnel; a broad background in fabricating large processing units, plus convenient consulting engineering and field repair services. For precision processing equipment, don't settle for less than Superior!

SUPERIOR WELDING COMPANY
900 EAST DIVISION, P.O. BOX 949
DECATUR, ILLINOIS 62525 217/422-4333



Sprout-Waldron Division
Koppers Company, Inc.
Sweco, Inc.
Troika Processes Pvt. Ltd.
(India)
Urschel Laboratories, Inc.

LABORATORY EQUIPMENT

Aceites Y Derivados Del
Pacifico, S.A. de C.V.
(Mexico)
Alpine American Corp.
La Americana
Grasas Y Aceites
Comestibles, S.A.
(Colombia)
Buss-Condux, Inc.
CE Bauer
Cargill Agricola S.A.
(Brazil)
Codema, Inc.
COROIL, C.A. (Venezuela)
Curtis & Tompkins Ltd.
Dickey-john Corporation
ERDCO Engineering Corp.
C.A. Facegra (Venezuela)
Foss America Inc.
Gustafson, Inc.
S. Howes Co., Inc.
Newport Instruments Ltd.
(England)
Oliver Manufacturing, Inc.
Oxford Instruments
North America, Inc.
Pacific Scientific
Gardner/Neotec
Instruments Div.
Pulverizing Machinery,
Div. of MikroPul Corp.
Seedburo Equip. Co
Star Systems
Filtration Division
Tecator Inc.
Technicon Industrial
Systems
Thai Theparos Factory
R.O.P. (Thailand)
Vishwa Oil Products Ltd.
(India)

MATERIAL FLOW AIDS

Houston Public
Grain Elevator
Jeffrey Manufacturing Div.,
Dresser Industries
Kice Metal
Products Co. Inc.
Martin Engineering Co.
Revere Corp. of America
Rhino Sales Corporation
Smico Mfg. Corp.
Troika Processes Pvt. Ltd.
(India)

MATERIAL LEVEL INDICATORS

La Americana
Grasas Y Aceites
Comestibles, S.A.
(Colombia)
Bindicator Company
Dabney Hoover
Supply Co., Inc.
C.A. Facegra (Venezuela)
Jeffrey Manufacturing Div.,
Dresser Industries
Lakeland Engineering
Equipment Co.
Revere Corp. of America
Seedboro Equip. Co.
Stemmerich, Inc.
Troika Processes Pvt. Ltd.
(India)
Wesmar, Industrial
Systems Division

MOISTURE TESTERS

Aceites Y Derivados Del
Pacifico, S.A. de C.V.
(Mexico)
Allis-Chalmers Corp.
La Americana
Grasas Y Aceites
Comestibles, S.A.
(Colombia)
Cargill Agricola S.A.
(Brazil)
Dabney-Hoover
Supply Co., Inc.
Deere and Company
Dickey-john Corporation
C.A. Facegra (Venezuela)
Foss America Inc.
Mathews Co.
Motomco, Inc.
Newport Instruments Ltd.
(England)
Oxford Instruments
North America, Inc.
Pacific Scientific
Gardner/Neotec
Instrument Div.
Seedburo Equip. Co.
Technicon Industrial
Systems
Vishwa Oil Products Ltd.
(India)

OIL/FAT & OIL/ FIBER ANALYZERS

Alfa-Laval AB (Sweden)
La Americana
Grasas Y Aceites
Comestibles, S.A.
(Colombia)
Cargill Agricola S.A.
(Brazil)
Dickey-john Corporation
Jennings Laboratories Inc.
Kuok (Singapore) Ltd.
(Singapore)
Oxford Analytical
Instruments Ltd.
(England)
Oxford Instruments
North America, Inc.
Pacific Scientific
Gardner/Neotec
Instrument Div.
Tecator Inc.
Technicon Industrial
Systems
Thai Theparos Factory
R.O.P. (Thailand)
Vishwa Oil Products Ltd.
(India)

PELLETING EQUIPMENT

Aceites Y Derivados Del
Pacifico, S.A. de C.V.
(Mexico)
Buhler Brothers Ltd.
(Switzerland)
California Pellet Mill Co.
Cargill Agricola S.A.
(Brazil)
COROIL, C.A. (Venezuela)
Damman-Croes S.A.
(Belgium)
DuMond Company, Inc.
Feeco International, Inc.
French Oil Mill
Machinery Company
Sprout-Waldron Division
Koppers Company, Inc.
Sued Chemie A.G.
(Fed. Rep. of Germany)
Troika Processes Pvt. Ltd.
(India)
Vishwa Oil Products Ltd.
(India)

POWER TRANSMISSION EQUIPMENT

Aceites Y Derivados Del
Pacifico, S.A. de C.V.
(Mexico)
Browning Mfg.
Div. Emerson Electric Co.
Cargill Agricola S.A.
(Brazil)
COROIL, C.A. (Venezuela)
Dabney-Hoover
Supply Co., Inc.
Deere and Company
Divine Engineering, Inc.
Dodge/Reliance Electric
Electrical Engineering
& Equipment Co.
C.A. Facegra (Venezuela)

Fagrave S.A. (Colombia)
The Falk Corp.
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
Houston Public Grain Elevator
Lakeland Engineering Equipment Co.
Newell Machinery Co., Inc.
PT Components, Inc.
Power Transmission Div.
Thomas Conveyor Co.
Troika Processes Pvt. Ltd. (India)

PUMPS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
American Lewa, Inc.
Best-Way, Inc.
Cargill Agricola S.A. (Brazil)
COROIL, C.A. (Venezuela)
Dabney-Hoover Supply Co., Inc.
Deere and Company
Du-Val Industrial Foreign Trade Corporation
C.A. Facegra (Venezuela)
Fagrave S.A. (Colombia)
Houston Public Grain Elevator
Troika Processes Pvt. Ltd. (India)

QUALITY CONTROL METAL DETECTION

American Microtech, Inc.
Du-Val Industrial Foreign Trade Corporation
French Oil Mill Machinery Company
Hayes & Stolz Industrial Mfg. Co., Inc.
Oxford Instruments North America Ltd.

RAILWAY SIDING DEVICES

The Aldon Company
Dabney-Hoover Supply Co., Inc.
Houston Public Grain Elevator
Lakeland Engineering Equipment Co.

SCALES

Buhler Brothers Ltd. (Switzerland)
DuMond Company, Inc.
C.A. Facegra (Venezuela)
Fairbanks Weighing Div.
Dave Fischbein Company
Houston Public Grain Elevator
Howe Richardson Co.
S. Howes Co., Inc.
InterSystems, Inc.
Seedburo Equip. Co.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Company

SIFTER SCREENS

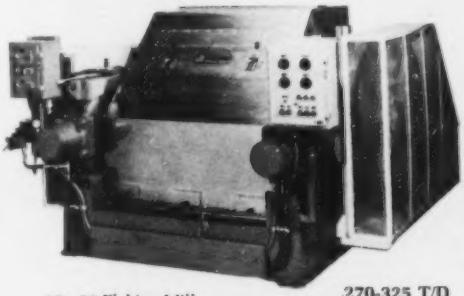
Buhler Brothers Ltd. (Switzerland)
DuMond Company, Inc.
Gustafson, Inc.
S. Howes Co., Inc.
M.P. State Cooperative Oilseed Growers' Federation Ltd. (India)
Seedburo Equip. Co

MARK III

The Mark III 28 × 52 Flaking Mill is a result of innovative engineering and a devotion to quality construction and materials. It's designed for accurate, consistent flaking-ease of operation. Strength. Endurance.

Roskamp continues to set the pace with technological advancements in the industry. Features include HTD drive, inter-roll drive with automatic belt tensioner and roll pressure safety interlock.

Investigate the other exclusive features of the Mark III. Call or write for more information.



28 × 52 Flaking Mill

270-325 T/D

Roskamp Mfg., Inc.

616 Grand Blvd. Cedar Falls, Iowa 50613

(319) 266-1791

Smico Mfg. Corp.
Sprout-Waldron Division Koppers Company, Inc.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler
H.R. Williams Mill Supply Company

SIFTERS

Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Codema, Inc.
DuMond Company, Inc.
S. Howes Co., Inc.
N. Hunt Moore & Assoc., Inc.
Prater Industries, Inc.
Smico Mfg. Corp.
Sprout-Waldron Division Koppers Company, Inc.
Sweco, Inc.
Tetko, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Co.
H.R. Williams Mill Supply Company

SOY STORAGE

BUILDINGS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
De Smet Corporation - (domestic & foreign offices)
H.L.S. Ltd. (Israel)
Houston Public Grain Elevator
Midwest Soya International, Inc.
Muskogee Iron Works, Inc.
Quonset
D.W. Tyler Co.
Webco Tank, Inc.

ELEVATOR & PROCESSOR UNITS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
Chicago Eastern Corp.
Damman-Croes SA (Belgium)
De Smet Corporation - (domestic & foreign offices)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Midwest Soya International, Inc.
Newell Machinery Co., Inc.
Sweet Manufacturing Co.
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)

TANKS, LIQUID STORAGE

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Best-Way, Inc.
Cargill Agricola S.A. (Brazil)
COROIL, C.A. (Venezuela)
De Smet Corporation - (domestic & foreign offices)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Moorhead Machinery and Boiler Co.
Process Mechanical, Inc.
Proform Inc.
Southland Oil Terminal Co.
Stemmerich, Inc.
Superior Welding Company
Thai Theparos Factory R.O.P. (Thailand)
Troika Processes Pvt. Ltd. (India)
Webco Tank, Inc.

TEMPERATURE SYSTEMS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
COROIL, C.A. (Venezuela)
Dabney-Hoover Supply Co., Inc.
Dickey-john Corporation
Du-Val Industrial Foreign Trade Corporation
Honeywell/Process Control Division
Houston Public Grain Elevator
InterSystems, Inc.
Mathews Co.
The Partlow Corporation
George A. Rolfes Company
Seedburo Equip. Co
Vishwa Oil Products Ltd. (India)

TRUCK LIFTS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Bender-Ross Equipment Co. Inc.
Dabney-Hoover Supply Co., Inc.
Houston Public Grain Elevator
Phelps Industries, Inc.
Screw Conveyor Corp.
Seedburo Equip. Co.
Straight Engineering Co.

UNLOADERS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Buhler Brothers Ltd. (Switzerland)
Codema, Inc.
Dabney-Hoover Supply Co., Inc.
Fort Worth Steel & Machinery
Hagan Mfg. Co.
Houston Public Grain Elevator
Kice Metal Products Co. Inc.
Phelps Industries, Inc.
Sprout-Waldron Division Koppers Company, Inc.

VIBRATOR SCREENS

Alfa-Laval AB (Sweden)
American Drynamics Inc.
Buhler Brothers Ltd. (Switzerland)
Cargill Agricola S.A. (Brazil)
Carter-Day Company
French Oil Mill Machinery Company
Hayes & Stolz Industrial Mfg. Co., Inc.
S. Howes Co. Inc.
Pennwalt India Limited (India)
Prater Industries, Inc.
Rhino Sale Corporation

Rotex Inc.
Smico Mfg. Corp.
Sprout-Waldron Division Koppers Company, Inc.
Sweco, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
D.W. Tyler Company
Vishwa Oil Products Ltd. (India)

VIBRATORS

American Drynamics Inc.
S. Howes Co., Inc.
Jeffrey Manufacturing Div., Dresser Industries
Martin Engineering Co.
Rhino Sales Corporation
Seedburo Equip. Co.
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)

WAREHOUSING, FIELD

Air-Tech Industries, Inc.
Cargill Agricola S.A. (Brazil)
H.L.S. Ltd. (Israel)
Midwest Soya International, Inc.
Quonset

WARNING SYSTEMS

Cargill Agricola S.A. (Brazil)
COROIL, C.A. (Venezuela)
Houston Public Grain Elevator
MCC Powers

WASTE WATER TREATMENT EQUIPMENT

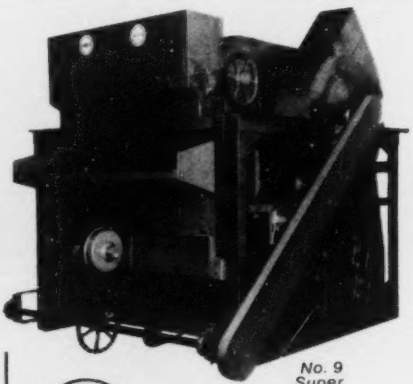
Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
CE Bauer
The Cambrian Engineering Group Limited Cambrian Process Div. (Canada)
Cargill Agricola S.A. (Brazil)
COROIL, c.a. (Venezuela)
Divine Engineering, Inc.
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Jeffrey Manufacturing Div., Dresser Industries
Mixing Equipment Co., Inc. Unit of General Signal
Pennwalt India Limited (India)
C.W. Randell Inc.
Sprout-Waldron Division Koppers Company, Inc.
Star Systems Filtration Division
Stemmerich, Inc.
Tenco Hydro, Inc.
Vishwa Oil Products Ltd. (India)

WEIGHING & PACKAGING

Cargill Agricola S.A. (Brazil)
The Chantland Company - Div. of Douglas & Lomason Co.
Du-Val Industrial Foreign Trade Corporation
Fairbanks Weighing Div.,
Dave Fischbein Co.
Howe Richardson Co.
S. Howes., Inc.
Langston Bag Co., Inc.
Revere Corp. of America

The screening machine that **fights dust problems**

Highly-efficient fans aspirate airborne particles and collect them in an expansion chamber that is an integral part of the machine. The product is air-washed at both inlet and discharge points. Proved screen arrangements separate the product. Eureka Cleaners are an effective first staging in your pollution-control program...all-steel, customized construction to fit your application. As a bonus to your maintenance program, the proved oscillating Barbeau drive provides the answer. Capacities realistically rated. *Write for Catalog 101.*



No. 9 Super Cleaner

EUREKA

S. HOWES CO., INC.
2050 Miller St., Silver Creek, N.Y. 14136
Mixers • Packers • Granulators • Scourers • Brush Dusters
"Celebrating 125 years"

SOY PRODUCT PROCESSING EQUIPMENT & SUPPLIES

ANTI-CAKING AGENTS

J.M. Huber Corp.
Oil Dri Corporation of America

BLEACHING & FILTERING EQUIPMENT

Aceites Y Derivados Del Pacifico S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
CAP, Inc.
Chemetron Process Equipment, Div. of Cherry-Burrell
COROIL, C.A. (Venezuela)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
Diktic Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
A. Gusmer, Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi-Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Neumunz Inc.
PSI Process Systems, Inc.
Pennwalt India Limited (India)
Rust International Co.
Star Systems Filtration Division
Sued Chemie A.G. (Fed. Rep. of Germany)
Sullivan Systems Inc.
Wurster & Sanger Inc.
Vishwa Oil Products Ltd. (India)

CATALYSTS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Calsicat Division - Mallinckrodt, Inc.
Fagrave S.A. (Colombia)
Harshaw Chemical Co.
Sued Chemie A.G. (Fed. Rep. of Germany)
Tecator Inc.
United Catalysts Inc.

COMPLETE PLANTS

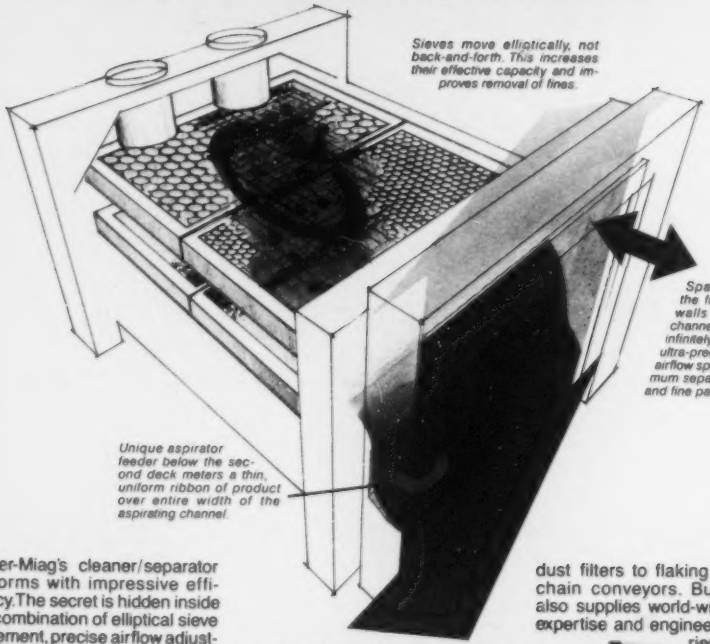
Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Hermann Bauermeister Maschinenfabrik GmbH (Fed. Rep. of Germany)
Ross Brian and Assoc. Inc.
CAP, Inc.
The Cambrian Engineering Group Limited Cambrian Processes Div. (Canada)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
Crown Iron Works Co.
Damman-Croes SA (Belgium)
De Smet Corporation - (domestic & foreign offices)
Diktic Inc.
Do-Well Oil Plants Private Limited (India)
Dravo Engineers, Inc.
DuMond Company, Inc.
Du-Val Industrial Foreign Trade Corporation
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Charles Isdale & Associates, Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi-Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Neumunz Inc.
PSI Process Systems, Inc.
Pennwalt India Limited (India)
Rust Engineering Co.
Simon-Rosedowns Ltd. (United Kingdom)
Vishwa Oil Products Ltd. (India)
Wurster & Sanger Inc.

CONDENSORS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Crown Iron Works Co.
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Dravo Engineer , Inc.
Fagrave S.A. (Colombia)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi-Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
N. Hunt Moore & Assoc., Inc.
Moorhead Machinery and Boiler Co.
Myers Engineers

EFFICIENCY IN MOTION

FOR HIGH-CAPACITY, LOW-IMPURITY CLEANING OR SEPARATING


Sieves move elliptically, not back-and-forth. This increases their effective capacity and improves removal of fines.
Space between the front and rear walls of aspirator channel is easily and infinitely variable for ultra-precise control of airflow speed, and optimum separation of dust and fine particles.
Unique aspirator feeder below the second deck meters a thin, uniform ribbon of product over entire width of the aspirating channel.

Buhler-Miag's cleaner/separator performs with impressive efficiency. The secret is hidden inside—a combination of elliptical sieve movement, precise airflow adjustment, and the effect of a unique aspirator feeder.

All three work together to maximize capacity and minimize end-product impurities, with less grain breakage and more definite separation. And to give you flexibility for cleaning *or* separating, the aspirator can be ordered separately.

Buhler-Miag can supply all your oilseed processing needs—from drum sieves, decorticators and dust filters to flaking mills and chain conveyors. Buhler-Miag also supplies world-wide design expertise and engineering experience.

Write, call or telex for complete details.

BUHLER-MIAG®

P.O. Box 9497 • Minneapolis, MN 55440 • (612) 545-1401 • Telex 29 0445
59 Curlew Dr. • Toronto M3A 2P9 • Canada • (416) 445-6910

#82 126

Process Mechanical, Inc.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

CONTINUOUS CONTERCURRENT SOLVENT EXTRACTION

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Hermann Bauermeister Maschinenfabrik GmbH (Fed. Rep. of Germany)
Ross Brian and Assoc. Inc.
CAP, Inc.
Cargill Agricola S.A. (Brazil)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
Crown Iron Works Co.
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Diktic Inc.
Dravo Engineers, Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Charles Isdale & Associates, Inc.
Jag Manek Solvent Extraction Plant (India)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Myers Engineers
Simon-Rosedowns Ltd. (United Kingdom)
Superior Welding Company
Tecator Inc.
Thai Theparos Factory R.O.P. (Thailand)
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)
Wurster & Sanger Inc.

CONTINUOUS SCREW PRESSES

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Anderson International
CE Bauer
Crown Iron Works Co.
Damman-Croes SA (Belgium)
DuMond Company, Inc.
Du-Val Industrial Foreign Trade Corporation
Fagrave S.A. (Colombia)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
A. Gusmer, Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Simon-Rosedowns Ltd. (United Kingdom)
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)

COOKERS, EXTRUDERS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Anderson International
BLOUNT/mix-mill
Cargill Agricola S.A. (Brazil)
Crown Iron Works Co.
Damman-Croes SA (Belgium)
Davidson-Kennedy Co.
Du-Val Industrial Foreign Trade Corporation
Feeco International, Inc.
Fratelli De Vita SPA (Italy)
French Oil Mill Machinery Company
Italmecanica Industria E Comercio De Maquinas E Equipamentos Ltda. (Brazil)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Moorhead Machinery and Boiler Company
Process Mechanical, Inc.
Simon-Rosedowns Ltd. (United Kingdom)
Sprout-Waldron Division Koppers Company, Inc.
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)
Wenger International Inc.
Werner & Pfleiderer Corp.

COOLERS FLUIDIZED BED

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
American Drynamics Inc.
Buhler Brother Ltd. (Switzerland)
Buhler-Miag, Inc.
COROIL, C.A. (Venezuela)
Damman-Croes, SA (Belgium)
De Smet Corporation - (domestic & foreign offices)
Fratelli De Vita SPA (Italy)
Jeffrey Manufacturing Div., Dresser Industries
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
N. Hunt Moore & Assoc., Inc.
Troika Processes Pvt. Ltd. (India)
Wenger International Inc.

DEGUMMING EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)

FRENCH

custom-tailored oil extraction systems

For over 80 years French Oil Mill Machinery Company has developed, engineered, manufactured and serviced productive machines and systems for the world's oilseed processing industries.

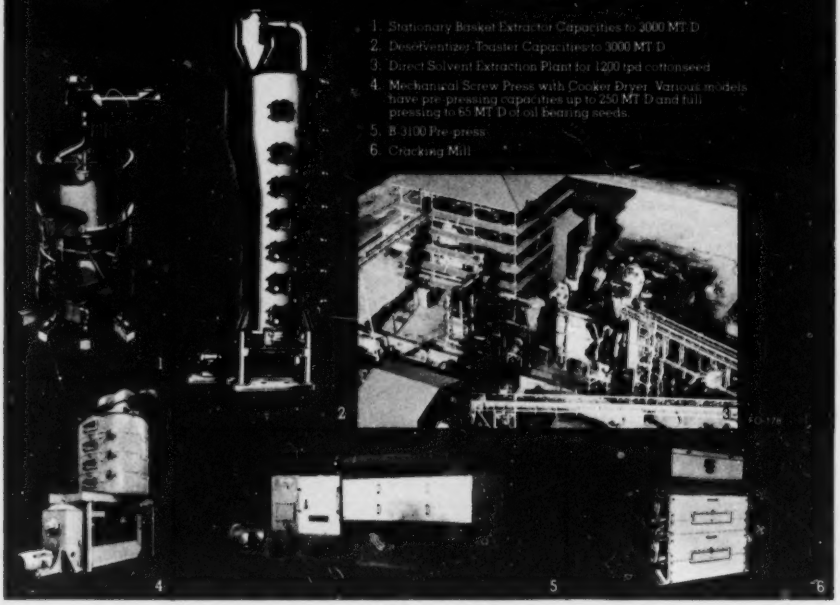
A combination of mechanical press and/or solvent extraction principles are used to design efficient equipment for processing all types of edible and inedible products such as cottonseed, copra, corn germ, sunflower seed, soybeans, rape seed (Canola), peanuts (groundnuts), rice bran, sesame, safflower, animal tissue, fish and sugar cane.

French takes undivided responsibility for turn-key projects, from design to start-up. Everything needed including preparation, extraction, solvent recovery and meal handling equipment comes from one dependable source. For technical information or discussions contact

The French Oil Mill Machinery Company, (French Oil Disc Corporation), Piqua, Ohio 45356 U.S.A. Phone (513) 773-3420.
Cable address French Piqua.
Telex No. 288-009.

FRENCH
U.S.A.

1. Stationary Basket Extractor Capacities to 3000 MT/D
2. Desolventizer-Toaster Capacities to 3000 MT/D
3. Direct Solvent Extraction Plant for 1200 tpd cottonseed
4. Mechanical Screw Press with Cooker Dryer. Various models have pre-pressing capacities up to 250 MT/D and full pressing to 65 MT/D of oil bearing seeds.
5. B-3100 Pre-press
6. Cracking Mill



Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
COROIL, C.A. (Venezuela)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
DuMond Company, Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt Und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Myers Engineers
Pennwalt India Limited (India)
Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)
Wurster & Sanger Inc.

DEHULLING EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
CE Bauer
Codema Inc.
Damman-Croes SA (Belgium)
DeSmet Corporation - (domestic & foreign offices)
Du-Val Industrial Foreign Trade Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
Fratelli De Vita SPA (Italy)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
N. Hunt Moore & Assoc., Inc.
Myers Engineers
Neumunz Inc.
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)

DEODORIZATION EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
CAP, Inc.
CVC Products, Inc
The Cambrian Engineering Group Limited Cambrian Process Div. (Canada)
Cargill Agricola S.A. (Brazil)
Chemetron Process Equipment, Div. of Cherry-Burrell
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Diktic Inc.
DuMond Company, Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Moorhead Machinery & Boiler Company
Myers Engineers
Neumunz Inc.
Pennwalt India Limited (India)
Process Mechanical, Inc.
Rust Engineering Co.
Simon-Rosedowns Ltd. (United Kingdom)
Sullivan Systems Inc.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Union Comercial Industrial SA (Peru)
Wurster & Sanger Inc.

DESOLVENTIZER TOASTER

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
American Drynamics Inc.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Ross Brian and Assoc. Inc.
Cargill Agricola S.A. (Brazil)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
Crown Iron Works Co.
Damman-Croes SA (Belgium)
Davidson-Kennedy Co.
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Dravo Engineers, Inc.
DuMond Company, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (F d. Rep. of Germany)
Fagrave S.A. (Colombia)
Feeco International, Inc.
Fratelli De Vita SPA (Italy)
French Oil Mill Machinery Company

In 16 languages "EMI" means development.

Our oilseed processing systems are in operation on every continent providing a better market for agricultural products and improving availability of edible oils, proteins and animal feed. Helping create new export markets. Producing needed cash-flow for business and governments. Improving the quality of life at all social levels.

EMI means vegetable oilseed, protein and fatty acid processing. And now, in many places, "EMI" means capital goods importing and exporting. But wherever we're known, "EMI" means engineering expertise — and creative new ways to convert *ideas* into *economic growth.*

If you're looking for new sources of profits, especially through agri-industrial development, call "EMI". Write for our 16-page, full-color brochure.

EMI

EMI Disc Corporation
3166 Des Plaines Avenue
Des Plaines, IL 60018 U.S.A.
(located near Chicago/O'Hare International Airport)
Phone 312-827-3164
Telex 726354 EMI DSP

Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Moorhead Machinery and Boiler Corp.
Myers Engineers
Process Mechanical, Inc.
Simon-Rosedowns Ltd. (United Kingdom)
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)
Wurster & Sanger, Inc.

ELECTROLYZERS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Davy Bamag GmbH (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Neumunz Inc.
Troika Processes Pvt. Ltd. (India)

FAT SPLITTERS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
Dravo Engineers, Inc.
EMI Corporation
Fratelli DeVita SPA (Italy)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Rust Engineering Co.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

FATTY ACID DISTILLATION EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
CVC Products, Inc.
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
Dravo Engineers, Inc.
DuMond Company, Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
Fratelli DeVita SpA (Italy)
French Oil Mill Machinery Co.
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Moorhead Machinery & Boiler Company
Neumunz Inc.
PSI Process Systems, Inc.
Process Mechanical, Inc.
Rust Engineering Co.
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

FLAKING & CRACKING EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Bauermeister, Inc.
Hermann Bauermeister Maschinenfabrik GmbH (Fed. Rep. of Germany)
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Codema Inc.
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
DuMond Company, Inc.
Fagrave S.A. (Colombia)
Fratelli De Vita SPA (Italy)
French Oil Mill Machinery Company
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Metal Products International, Inc.
Myers Engineers
Neumunz Inc.
Prater Industries, Inc.
Roskamp Mfg., Inc.
Troika Processes Pvt. Ltd. (India)
Urschel Laboratories, Inc.
Vishwa Oil Products Ltd. (India)

HEAT EXCHANGERS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Ross Brian and Assoc. Inc.
Crown Iron Works Co.
Dravo Engineers, Inc.
DuMond Company, Inc.
Fagrave S.A. (Colombia)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Moorhead Machinery and Boiler Co.

BAUERMEISTER

NOW IN OUR SECOND CENTURY WITH CONTINUING DESIGN INNOVATIONS FOR THE OILSEED PROCESSING INDUSTRY.

VWR 251—Cracking Mill

- Over 500 TPD capacity for soybeans
- Special corrugations produce minimum fines
- Quick changing rolls
- Ability to take samples "on line" quickly and safely
- Reasonable replacement roll cost with 10" diameter rolls

ZWG 702—Flaking Mill

- 25 tons of "mean machine"
- 400 to 500 TPD capacity at 0.010" - 0.012" flakes
- AEG vibratory feeder
- Unique "overflow system" minimizes roll end grinding

BAUERMEISTER,

- STILL THE BEST!

Bauermeister, Inc.

3951 Senator St. • P.O. Box 181090

Memphis, TN 38118 • (901) 363-0921 • Telex: 53890

Myers Engineers
Process Mechanical, Inc.
Sullivan Systems Inc.
Superior Welding Company
Thai Theparos Factory R.O.P. (Thailand)
Troika Processes Pvt. Ltd. (India)

HYDROGENATION EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
CAP, Inc.
The Cambrian Engineering Group Limited Cambrian Processes Div. (Canada)
Chemetron Process Equipment, Div. of Cherry-Burrell
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Diktic Inc.
Dravo Engineers, Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
C.A. Facegra (Venezuela)
Fagrave S.A. (Colombia)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Neumunz Inc.
PSI Process Systems, Inc.
Pennwalt India Limited (India)
Rust Engineering Co.
Simon-Rosedowns Ltd. (United Kingdom)
Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
Union Comercial Industrial SA (Peru)
Wurster & Sanger Inc.

INDUSTRIAL HYDRAULIC PRESSING EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Cargill Agricola S.A. (Brazil)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)

MARGARINE EQUIPMENT

Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
Chemetron Process Equipment, Div. of Cherry-Burell
COROIL, C.A. (Venezuela)
De Smet Corporation - (domestic & foreign offices)
DuMond Company, Inc.
C.A. Facegra (Venezuela)
Fagrave S.A. (Colombia)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Neumunz Inc.
Troika Processes Pvt. Ltd. (India)
Union Comercial Industrial SA (Peru)
Wurster & Sanger Inc.

NEUTRALIZATION EQUIPMENT

Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Moorhead Machinery & Boiler Company
Myers Engineers
Neumunz Inc.
Pennwalt India Limited (India)
Process Mechanical, Inc.
Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)
Wurster & Sanger Inc.

PHYSICAL REFINING

EMI Corporation

PROTEIN and/or MISCELLANEOUS ANALYZERS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
Fagrave S.A. (Colombia)
Pacific Scientific Gardner/Neotec Instrument Div.

Get the same rugged performance from our flakers and vibrating screens that you've been getting from our hammermills.

DUAL SCREEN® MILLS
Exclusive triple reduction, for meal and hull grinding.

FLAKER MILLS
Up to 380 tons per 24 hour day.

VIBRATING SCREENS
30 sizes. One, two or three decks, for bean cleaning, dehulling, and meal screening.

Prater understands soybean processing. A recent survey of soybean plants in the U.S. and Canada showed that over 96% are using Prater Dual Screen® Hammermills for meal and hulls. That says something about Prater quality. We put the same knowhow in our Flaking Mills and Vibrating Screens so you can expect years of rugged 24-hour production. Discover the Prater difference.

Call or write for free literature.

Prater Industries, Inc.

1515 South 55th Court, Chicago, IL 60650
Phone: 312/656-8500 Telex 28-4312

Our products make us different.

Tecator Inc.
Technicon Industrial Systems
Thai Theparos Factory R.O.P. (Thailand)
Vishwa Oil Products Ltd. (India)

PROTEIN PLANTS

La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Ross Brian and Assoc. Inc.
The Cambrian Engineering Group Limited Cambrian Processes Div. (Canada)
Cargill Agricola S.A. (Brazil)
De Smet Corporation - (domestic & foreign offices)
Dravo Engineers, Inc.
EMI Corporation
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
H.L.S. Ltd. (Israel)
Charles Isdale & Associates, Inc.
Italmecanica Industria E Comercio De Maquinas E Equipamentos Ltda. (Brazil)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Pennwalt India Limited
Simon-Rosedowns Ltd. (United Kingdom)
Thai Theparos Factory R.O.P. (Theparos)
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)

SEASONINGS

First Spice Mixing Co. Inc.
North American Laboratory Co., Inc.
Troika Processes Pvt. Ltd. (India)

SCREENERS

Alfa-Laval AB (Sweden)
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Carter-Day Company
Damman-Croes SA (Belgium)
Forsbergs, Inc.
French Oil Mill Machinery Co.
Gustafson, Inc.
S. Howes Co., Inc.
N. Hunt Moore & Assoc., Inc.
Prater Industries, Inc.
Rotex Inc.
Sprout-Waldron Division Koppers Company, Inc.
Sweco, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)

SHORTENING EQUIPMENT

Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Chemetron Process Equipment, Div. of Cherry-Burrell
COROIL, C.A. (Venezuela)
DuMond Company, Inc.
Fagrave S.A. (Colombia)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SPA (Italy)
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Neumunz Inc.
Wurster & Sanger Inc.

SOAPSTOCK EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.E. (Mexico)
Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
The Cambrian Engineering Group Limited Cambrian Processes Div. (Canada)
Chemetron Process Equipment, Div. of Cherry-Burrell
COROIL, C.A. (Venezuela)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli De Vita SPA (Italy)
French Oil Mill Machinery Co
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Myers Engineers
Neumunz Inc.
PSI Process Systems, Inc.
Pennwalt India Limited
Stemmerich, Inc.
Sullivan Systems
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

SOLVENT EXTRACTION DISTILLATION EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
Ross Brian and Assoc. Inc.
Cargill Agricola S.A. (Brazil)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Dravo Engineers, Inc.
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)

Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
N. Hunt Moore & Assoc., Inc.
Moorhead Machinery & Boiler Company
Myers Engineers
Process Mechanical, Inc
Simon-Rosedowns Ltd. (United Kingdom)
Superior Welding Company
Tecator Inc.
Thai Theparos Factory R.O.P. (Thailand)
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

SOLVENT RECOVERY EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Ross Brian and Assoc. Inc.
Cargill Agricola S.A. (Brazil)
Chemetron Process Equipment, Div. of Cherry-Burrell
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
Crown Iron Works Co.
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
Dravo Engineers, Inc.
DuMond Company, Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
Fratelli DeVita SPA (Italy)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Charles Isdale & Associates, Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
N. Hunt Moore & Assoc., Inc.
Moorhead Machinery and Boiler Co.
Myers Engineers
Process Mechanical, Inc.
Simon-Rosedowns Ltd. (United Kingdom)
Superior Welding Company
Tecator Inc.
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

SOLVENTS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
Charter International Oil Co.
Drake Petroleum Company
Exxon Company, USA
Getty Oil Company
Masiero Industrial S/A (Brazil)
Phillips Chemical Company
Troika Processes Pvt. Ltd. (India)
Union Chemicals Div.

SOLVENT VAPOR DETECTION & CONTROL

ERDCO Engineering Co.

SOYMILK & TOFU EQUIPMENT SYSTEMS

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Bean Machines Inc.
Quong Hop & Co.
Vishwa Oil Products Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)

USED EQUIPMENT

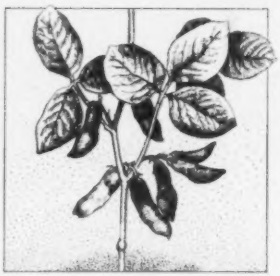
Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Creason Corrugating & Machinery Co. Inc.
DuMond Company, Inc.
Du-Val Industrial Foreign Trade Corporation

WINTERIZATION EQUIPMENT

Aceites Y Derivados Del Pacifico, S.A. de C.V. (Mexico)
Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
COROIL, C.A. (Venezuela)
Costruzioni Meccaniche Bernardini CMB SpA (Italy)
De Smet Corporation - (domestic & foreign offices)
Desarrollo Industrial Ings. S.A. (Mexico)
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau m.b.H. (Fed. Rep. of Germany)
C.A. Facegra (Venezuela)
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Fratelli DeVita SpA (Italy)
French Oil Mill Machinery Company
H.L.S. Ltd. (Israel)
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S/A (Brazil)
Myers Engineers
Neumunz Inc.
PSI Process Systems, Inc.
Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
Vishwa Oil Products Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)
Wurster & Sanger Inc.

Phillips hydrocarbon solvents can help you squeeze an oil seed for all it's worth.

As a basic producer, Phillips can supply you with high quality n-hexane for processing. Our n-hexane contains 1 PPM maximum sulfur and 500 PPM maximum benzene, making it ideal for extracting oil from soybeans, cotton seed, and other oil seeds. Phillips is the largest U.S. producer of n-hexane, with plants in Sweeny and Borger, Texas. Depend on us for product purity, reliable supply, and dependable delivery. For more information call 918-661-0350.



PHILLIPS CHEMICAL COMPANY
A SUBSIDIARY OF PHILLIPS PETROLEUM COMPANY
Worldwide Specialty Chemicals

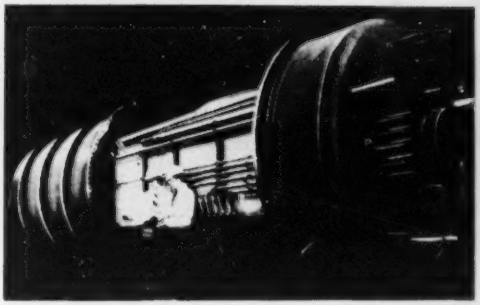
campro

for new ideas in process technology.

DEODORIZATION/ STEAM REFINING

The **campro** system represents a breakthrough in the technology of vacuum steam stripping. Low capital and operating costs, easy maintenance and excellent product quality are features responsible for industry-wide acceptance of our equipment.

Laboratory and pilot plant processing facilities are available.



STANDARD 'PLUS' FEATURES

- lowest possible installation cost, unit interior is assembled and interior piping installed at factory, only externals to connect.
- ease of maintenance due to removable horizontal shell.
- ease of product change over.
- horizontal orientation requires less costly civil works design.
- heat recovery under vacuum eliminates risk of hot oil contamination present when heat recovery occurs external to shell.
- low operating cost.

OPTIONS:

The **campro** system is now available with the following options:

- heating by high pressure steam or Dowtherm
- quick change design for rapid feedstock changes
- deodorizing and steam refining at same capacity
- low temperature external heat recovery
- guaranteed overall oil losses
- complete system or vessel only, with specifications for auxilliary equipment. Performance guaranteed in either case.

cambrian processes
Division of The Cambrian Engineering Group Limited
2465 Cawthra Road, Mississauga, Ont. L5A 3P2 Canada.
PHONE: (416) 272-1400 TELEX: 06-961165

FARM EQUIPMENT & SUPPLIES

BELTING ACCESSORIES

Dabney-Hoover Supply Co., Inc.
Deere and Company
Flexible Steel Lacing Co.
Fort Worth Steel & Machinery
Scandura Inc.

CHEMICAL APPLICATORS, GRANULAR

Deere and Company
Dicky-john Corporation
Gandy Company
Noble Division, Lear Siegler Inc.

CONVEYORS, ELEVATORS

Avco New Idea Farm Equip.
Bazooka Grain Moving Systems
BLOUNT/mix-mill
Dabney-Hoover Supply Co., Inc.
Dunbar Kapple
Feeco International, Inc.
Forsbergs Inc.
Fort Worth Steel & Machinery
A. Gusmer, Inc.
S. Howes Co., Inc.
Jeffrey Manufacturing Div., Dresser Industries Inc.
Mayrath Industries, Inc.
Multilift, Inc.
Oliver Manufacturing, Inc.
Portable Elevator Division George A. Rolfes Company
Scandura Inc.
Screw Conveyor Corp.
Seedburo Equip. Co.
Speed King Mfg. Co., Inc.
Sweet Manufacturing Co.
Thomas Conveyor Co.
Tramco Metal Products, Inc.
Troika Processes Pvt. Ltd. (India)
Universal Industries

DRYING & AERATION EQUIPMENT

Dabney-Hoover Supply Co., Inc.
Farm Fans, Inc.
A. Gusmer, Inc.
Hart-Carter Company
Kuss Corporation
M & W Gear Company
Mathews Co.
Mid-America Products, Inc.
George A. Rolfes Company

FERTILIZERS

Allied Chemical
BFC Chemicals, Inc.
Borden Inc., Chemical Div.
Du-Val Industrial Foreign Trade Corporation
Ecological Products, Ltd.
Gandy Company
W.R. Grace & Co.
Helena Chemical Co.
Miko Inc.
Monsanto Agricultural Products Company
Occidental Chemical Co.
Smith-Douglass, Inc.
Sued-Chemie A.G. (Fed. Rep. of Germany)
USS AgriChemicals
United States Borax & Chemical Corp.

FUNGICIDES/ SEED PROTECTANTS

BASF Wyandotte
BFC Chemicals, Inc.
Chevron Chemical Co.
Chipman Chemicals Inc.
Diamond Shamrock Corp.
E.I. DuPont de Nemours & Co., Inc.
W.R. Grace & Co.
Gustafson, Inc.
Helena Chemicals Co.
Kalo Ag Chemicals, Inc.
Mineral Research & Development Corp.
Mobay Chemical Corp.
The Nitragin Company, Inc.
Occidental Chemical Co.
Olin Corp.
Sandoz, Inc.
Smith-Douglass, Inc.
Stauffer Chemical Co.
Uniroyal Chemical, Uniroyal, Inc.
The Upjohn Company

GENERAL FARM EQUIPMENT

Allis-Chalmers Corp.
Avco New Idea Farm Equip.
J.I. Case
Deere and Company
Dickey Machine Works
Gandy Company
Great Plains Mfg. Inc.
Howard Rotavator Company, Inc.
International Harvester
J.E. Love Company
M & W Gear Company
Massey-Ferguson
Mathews Co.
Noble Division, Lear Siegler, Inc.
C.W. Randell Inc.
Sperry New Holland
Trade-Link Israel Ltd. (Israel)
Year-A-Round Cab Corp.

GRAIN CLEANING AND SEPARATING EQUIPMENT

BLOUNT/ferrell-ross
BLOUNT/mix-mill

Buhler-Miag, Inc.
Carter-Day Company
Crippen Mfg. Co., Inc.
Dabney-Hoover Supply Co. Inc.
Farm Fans, Inc.
Forsbergs Inc.
A. Gusmer, Inc.
Gustafson, Inc.
Hagan Mfg. Co.
InterSystems, Inc.
Trade-Link Israel Ltd.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)

HERBICIDES

BASF Wyandotte
BFC Chemicals, Inc.
Chevron Chemical Co.
Ciba-Geigy Corporation
Diamond Shamrock Corp.
E.I. DuPont de Nemours & Co., Inc.
Elanco Products Co.
W.R. Grace & Co.
Helena Chemical Co.
Mobay Chemical Corp.
Monsanto Agricultural Products Company
Occidental Chemical Co.
PPG Industries, Inc.
Rhone-Poulenc Inc.
Sandoz, Inc.
Shell Chemical Co.
Smith-Douglass, Inc.
Stauffer Chemical Co.
Stewart Hybrids, Inc.
Terral-Norris Seed Co. Inc.
USS AgriChemicals
Union Carbide Agricultural Products Company, Inc.
Union Chemical Division
Uniroyal Chemical, Uniroyal, Inc.
The Upjohn Company

INOCULANTS

Agricultural Laboratories
Ecological Products, Ltd.
Helena Chemical Co.
Kalo Ag Chemicals, Inc.
Miko Inc.
The Nitragin Company, Inc.
Occidental Chemical Co.
Stewart Hybrids, Inc.
Terral-Norris Seed Co. Inc.
USS AgriChemicals
The Urbana Laboratories

INSECTICIDES

BFC Chemicals, Inc.
Chevron Chemical Co.
Ciba-Geigy Corp.
Diamond Shamrock Corp.
E.I. DuPont de Nemours & Co., Inc.
W.R. Grace & Co.
Gustafson, Inc.
Helena Chemicals Co.
ICI Americas Inc., Ag. Chem. Div.
Mobay Chemical Corp.
Monsanto Agricultural Products Co.
Occidental Chemical Co.
Rhone Poulenc, Inc.
Sandoz, Inc.
Shell Chemical Co.
Smith-Douglass, Inc.
Stauffer Chemical Co.
Stewart Hybrids, Inc.
USS Agri-Chemicals
Union Carbide Agricultural Products Company, Inc.
Union Chemicals Division

ON-FARM PROCESSING EQUIPMENT

BLOUNT/mix-mill
Du-Val Industrial Foreign Trade Corporation
Gustafson, Inc.
Hagan Mfg. Co.
Simon-Rosedowns Ltd. (United Kingdom)
Stewart Hybrids, Inc.

PLANT PROTECTANTS

BASF Wyandotte
Occidental Chemical Co.
Westvaco Corporation

SCALES

Dabney-Hoover Supply Co., Inc.
Dickey-john Corporation
Du-Val Industrial Foreign Trade Corporation
Howe Richardson Scale Co.
InterSystems, Inc.
Seedburo Equip. Co
Troika Processes Pvt. Ltd. (India)

SPRAYING EQUIPMENT

Best-Way, Inc.
Deere and Company
Dickey Machine Works
Du-Val Industrial Foreign Trade Corporation
Hagie Manufacturing Co.
George A. Rolfes Company
Shannon Tractor Co., Inc.

STORAGE UNITS

Chicago Eastern Corp.
Dabney-Hoover Supply Co., Inc.
Mathews Co.
C.W. Randell Inc.
Sprout-Waldron Divison Koppers Company, Inc.
Webco Tank, Inc.

TEMPERATURE MONITORS

Dabney-Hoover Supply Co., Inc.
Dickey-john Corporation
Honeywell/Process Control Division
InterSystems, Inc.
Mathews Co.
The Partlow Corporation
George A. Rolfes Company

USED EQUIPMENT

DuMond Company, Inc.
Du-Val Industrial Foreign Trade Corporation
Hagie Manufacturing Co.
Mathews Co.

COMMERCIAL SERVICES

ANALYTICAL LABORATORIES

A & L Plains Agricultural Labs
Agri Science Laboratories, Inc.
Alfa-Laval AB (Sweden)
Arizona Testing Lab
Charles V. Bacon Inc.
Barrow Agee Laboratories
Chem-Staat Laboratories, Inc.
The Chester Engineers
Curtis and Tompkins Ltd.
Deep South Labs, Inc.
Fox Testing Laboratory
Geo. W. Gooch Laboratories, Ltd.
Hahn Laboratories
Industrial Laboratories
Ingman Laboratories, Inc.
Iowa Testing Laboratories Inc.
Jennings Laboratories Inc.
Laucks Testing Laboratories Inc.
Law & Co.
Morning Star Labs Inc.
New Jersey Feed Laboratory, Inc.
North American Laboratory Co., Inc.
Oliver Manufacturing, Inc.
POS Pilot Plant Corporation
Pan American Laboratories, Inc.
Pattison's Laboratories, Inc.
Pope Testing Laboratories Inc.
SGS Control Services Inc.
Simon-Rosedowns Ltd. (United Kingdom)
Southwell Laboratory
Southwestern Laboratories
Thionville Inspetora de Cargas e Analises Ltda. (Brazil)
Thionville Laboratories & Surveying Co. Inc.
Troika Processes Pvt. Ltd. (India)
The Twining Laboratories Inc.
Woodson-Tenent Laboratories

BROKERS

Brockman & Associates International
B.V. Commissiehandel v/h Julius Van Roosendaal (Netherlands)
Clayton Brokerage Co. of St. Louis, Inc.
Daejin Audio Co., Ltd. (Korea)
Experience, Incorporated
Food Ingredients (Minn.) Inc.
Midwest Soya International, Inc.
Rechlin & Bullerjahn (Brazil)
Troika Processes Pvt. Ltd. (India)

CONSTRUCTION CONTRACTORS

Alfa-Laval AB (Sweden)
American Drynamics Inc.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
The Austin Co.
Dravo Engineers, Inc.
EMI Corporation
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
French Oil Mill Machinery Co.
Globe Engineering Co.
Industry General Corp.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Davy McKee Corporation
Newell Machinery Co., Inc.
Pro-Seed Inc.
Dennis E. Roby & Associates Inc.
Soypro International, Inc.
Sprout-Waldron Division Koppers Company, Inc.
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger, Inc.

CONSULTING

EQUIPMENT

Alfa-Laval AB (Sweden)
American Drynamics, Inc.
La Americana Grasas Y Aceites Comestible , S.A. (Colombia)
Anproco International Inc.
Ross Brian and Assoc. Inc.
Buhler Brothers Ltd. (Switzerland)
CAP, Inc.
The Cambrian Engineering Group Limited, Cambrian Processes Div. (Canada)
Diktic Inc.
Du-Val Industrial Foreign Trade Corporation
EMI Corporation
Food Ingredients (Minn.) Inc.
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
French Oil Mill Machinery Company
International Foundation for Agricultural Development
Charles Isdale & Associates, Inc.
Italmecanica Industria E Comercio De Maquinas E Equipamentos Ltda. (Brazil)
Peter Kalustian Assoc. Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
N. Hunt Moore & Assoc., Inc.
Neumunz Inc.
Oleaginosas Espanolas, S.A. (OESA) (Spain)
PSI Process Systems, Inc.
Pro-Seed Inc.
Soya Technology Systems Ltd. (Singapore)
The Soyfoods Center
Soypro International, Inc.
Sprout-Waldron Division Koppers Company, Inc.
Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger Inc.

MARKETING

Alfa-Laval AB (Sweden)
Brockman & Associates International
EMI Corporation
Experience, Incorporated
Food Ingredients (Minn.) Inc.
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
French Oil Mill Machinery Co.
Industrial Commodity Corp. & J. Carvel Lange International, Inc.

Design · Engineering · Procurement
Construction

Hydrogen production by water electrolysis
High-temperature generators
Treatment of service and potable water
Boiler feed water and process water production
Effluent water treatment
Waste air purification
Solvent recovery

Davy Bamag reports

Hydrogen Production

15 years experience with activated electrodes for electrolytic production of high-purity hydrogen and oxygen from water.
At present more than 150 electrolyzers sized for hourly unit capacities from 3 to 340 Nm^3 H_2 and equipped with Davy Bamag patented activated electrodes are in operation. Mean energy savings realized at these plants are 0,4 kWh/Nm^3 hydrogen. Proof of the specific energy consumption guaranteed by Davy Bamag is thus supported by between eight and ten years of practical service.
Please write us for further information.

Davy Bamag GmbH

P. O. Box 460 · D-6308 Butzbach
Federal Republic of Germany
Telephone: 831 · Telex: 4184487

Davy A Davy Corporation Company

International Foundation for Agricultural Development
J.G. Limited, Inc.
Peter Kalustian Assoc. Inc.
Midwest Soya International, Inc.
Navimpex Sarl
Neumunz Inc.
North American Laboratory Co. Inc.
Oleaginosas Espanolas, S.A. (OESA) (Spain)
J. Rakosky Services, Inc.
The Soyfoods Center
Soypro International, Inc.
Sprout-Waldron Division Koppers Company, Inc.
Troika Processes Pvt. Ltd. (India)

PLANT LAYOUT

Alfa-Laval AB (Sweden)
Anproco International Inc.
Ross Brian and Assoc. Inc.
Buhler Brothers Ltd. (Switzerland)
CAP, Inc.
The Cambrian Engineering Group Limited, Cambrian Process Div. (Canada)
Diktic Inc.
Du-Val Industrial Foreign Trade Corporation
EMI Corporation
Experience, Incorporated
Food Ingredients (Minn.) Inc.
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
French Oil Mill Machinery Company
Globe Engineering Co.
Industry General Corp.
International Foundation for Agricultural Development
Charles Isdale & Associates, Inc.
Italmecanica Industria E Comercio De Maquinas E Equipamentos Ltda. (Brazil)
Peter Kalustian Assoc. Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Davy McKee Corporation
Meiji Milk Products Co., Ltd. (Japan)
N. Hunt Moore & Assoc., Inc.
Myers Engineers
Navimpex Sarl
Neumunz Inc.
Oleaginosas Espanolas, S.A. (OESA) (Spain)
PSI Process Systems, Inc.
Pro-Seed Inc.
Dennis E. Roby & Associates Inc.
Soya Technology Systems Limited (Singapore)
The Soyfoods Center
Soypro International, Inc.
Sprout-Waldron Division Koppers Company, Inc.
Sullivan Systems Inc.
Thai Theparos Factory R.O.P. (Thailand)
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger

REGULATORY AFFAIRS

J.Rakosky Services, Inc.
The Soyfoods Center

CONTRACT RESEARCH (PILOT SCALE)

POS Pilot Plant Corp.

DISTILLATE PURCHASER

Cargill Agricola S.A. (Brazil)
Distillation Products Ind.
Henkel Corporation

ENGINEERING SERVICES

Alfa-Laval AB (Sweden)
American Drynamics Inc.
Anproco International Inc.
The Austin Co.
Hermann Bauermeister Maschinenfabrik GmbH (Fed. Rep. of Germany)
Ross Brian and Assoc. Inc.
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
CAP, Inc.
The Chester Engineers
Codema Inc.
Curtis & Tompkins Ltd.
DeSmet Corporation-Domestic & Foreign Offices
Diktic Inc.
Do-Well Oil Plants Private Limited (India)
Dravo Engineers, Inc.
Du-Val Industrial Foreign Trade Corporation
EMI Corporation

—CLAYTON—
BROKERAGE CO. OF ST. LOUIS, INC.

- Commodity futures trading specialists since 1947.
- Headquartered in St. Louis with over 30 branch offices nationwide.
- Investment opportunities for speculative and commercial clientele.
- Full securities services including stocks, bonds, stock options & tax shelters.
- Member of all major commodity exchanges.

For all your trading needs...

Ask Clayton.

Call 314-727-8000 or 800-325-8800 (toll-free)

7701 Forsyth Boulevard, Suite 300
St. Louis, Missouri 63105

Food Ingredients (Minn.) Inc.
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
French Oil Mill Machinery Company
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Globe Engineering Co.
H.L.S. Ltd. (Israel)
S. Howes., Inc.
Industrial Laboratories
Industry General Corp.
International Foundation for Agricultural Development
Peter Kalustian Assoc. Inc.
Kappele, Wright & MacLeod Ltd. Inc.
Krupp Industrie - Und Stahlbau, Werk Harburg (Fed. Rep. of Germany)
Lurgi Umwelt und Chemotechnik GmbH (Fed. Rep. of Germany)
Davy McKee Corporation
Meiji Milk Products Co., Ltd.
MikroPul Corporation
N. Moore & Assoc., Inc.
Myers Engineers
Neumunz Inc.
Newell Machinery Co., Inc.
Oleaginosas Espanolas, S.A. (OESA) (Spain)
Oliver Manufacturing, Inc.
PSI Process Systems, Inc.
Dennis E. Roby & Associates Inc.
Simon-Rosedowns Ltd. (United Kingdom)
Southwestern Laboratories
Soya Technology Systems Limited (Singapore)
Soypro International, Inc.
Sullivan Systems Inc.
Troika Processes Pvt. Ltd. (India)
Wurster & Sanger

EXPORT, IMPORT WAREHOUSING

Alfa-Laval AB (Sweden)
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Cargill Agricola S.A. (Brazil)
James E. Dunn Grain Services, Inc.
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft (Fed. Rep. of Germany)
Houston Public Grain Elevator
International-Matex Tank Terminals
Midwest Soya International, Inc.
Navimpex Sarl
Northrup King Co.
Port of Houston Authority
Port of Lake Charles
Port of New Orleans
Pro-Seed Inc.

FORWARDING AGENTS

Alfa-Laval AB (Sweden)
Paul A. Boulo Inc.
Brockman & Associates International
W.L. Richeson & Sons, Inc.
Shipco Inc.
Thionville Laboratories & Surveying Co. Inc.
Thionville Surveying Co. (Netherlands)

INSPECTION SERVICES

American Drynamics Inc.
Charles V. Bacon Inc.
Ba.row-Agee Laboratories
Brockman & Associates International
Curtis and Tompkins, Ltd.
Industrial Laboratories
Laucks Testing Laboratories Inc.

Needed: deodorizer distillates

We have a continuing need for distillates from the deodorization of unsaturated vegetable oils, such as soybean, cottonseed, safflower and sunflower. Value depends on stigmasterol and tocopherol content. If you are now deodorizing these types of oil, or are planning a new plant, we can provide you with information on the various kinds of deodorizers and distillate recovery systems and advise you about the effects of deodorizer operating conditions (temperature, time, vacuum and stripping steam). Contact Robert Winters, Henkel Corporation, 4620 West 77th Street, Minneapolis, Minnesota 55435, telex 29-0472. Phone (612) 830-7810.

Henkel Corporation

Henkel

SGS Control Services Inc.
Thionville Inspetora de Cargas e Analises Ltda. (Brazil)
Thionville Laboratories & Surveying Co. Inc.
Thionville Surveying Company (Netherlands)
Thionville Surveying GmbH (Fed. Rep. of Germany)

MILLING SERVICES Recorrugation, Replacement Rolls

Creason Corrugating & Machinery Co. Inc.
French Oil Mill Machinery Company
Jensen Mills
Metal Products International, Inc.
Modern Process Equipment Inc.
N. Hunt Moore & Assoc., Inc.
Prater Industries, Inc.
Precision Roll Grinders, Inc.
Pro-Seed Inc.
Twin City Machine Co., Inc.

NEWS WIRES, COMMODITY

Commodity News Services
Grain Instant News
M.P. State Cooperative Oilseed Growers Federation Ltd. (India)
Reuters Ltd.

NEWS SERVICES, PUBLICATIONS

La Americana Grasas Y Aceites Comestibles, S.A. (Brazil)
Cargill Agricola S.A. (Brazil)
Commodity Research Bureau, Inc.
ISTA Mielke & Co.
M.P. State Cooperative Oilseed Growers Federation Ltd. (India)
The Soyfoods Center

SEED SUPPLIERS

Asgrow Seed Company
Bellatti Soybeans
DeKalb-Pfizer Genetics
Delta and Pine Land Co.
James E. Dunn Grain Services, Inc.
Fazenda Boa Fe (Brazil)
Jacob Hartz Seed Co., Inc.
Helena Chemical Co.
J.G. Limited, Inc.
Midwest Soya International, Inc.
Miko Inc.
North American Plant Breeders
Northrup King Co.
Proseed Inc.
C.W. Randell Inc.
Stewart Hybrids, Inc.
Terral-Norris Seed Co. Inc.
The Upjohn Company
Wilken Seed Grains Inc.
Zoecon/Ring Around Research

SOYBEAN BREEDERS

Asgrow Seed Company
Bellatti Soybeans
Cargill Agricola S.A. (Brazil)
Coker's Pedigreed Seed Co.
Country Brand Seeds, Inc.
Dairyland Seed Co., Inc.
Delta and Pine Land Co.
James E. Dunn Grain Services, Inc.
Jacob Hartz Seed Co. Inc.
J.G. Limited, Inc.
Midwest Oilseeds, Inc.
North American Plant Breeders
Pioneer Hi-Bred International, Inc. Plant Breeding Division
Pro-Seed Inc.
Ruff's Seed Farms
Seedmakers Inc.
Soybean Research Foundation, Inc.
V.R. Seeds, Inc.
Wilken Seed Grains Inc.
Zoecon/Ring Around Research

SOYFOODS INDUSTRY DATABASE

The Soyfoods Center

TANK & COVERED HOPPER CARS

Pullman Leasing
United States Rail Services, Inc.

TANK & COVERED HOPPER CAR COVERS

Proform Inc.

TRANSPORTATION

Acomarit Services Maritimes S.A. (Switzerland)
Alcoa Steamship Co. Inc.
Alfa-Laval AB (Sweden)
American Bulk Transport Co.
La Americana Grasas Y Aceites Comestibles, S.A. (Colombia)
Chessie Systems
Lykes Bros. Steamship Co., Inc.
Thionville Surveying Company (Netherlands)
Thionville Surveying GmbH (Fed. Rep. of Germany)
Western-Commercial Transport, Inc.

WEATHER SERVICES

Commodity News Services, Inc.
SGS Control Services Inc.
Weather Trends, Inc.

WEIGHING & SURVEYS

Charles V. Bacon Inc.
Fairbanks Weighing Div.
Laucks Testing Laboratories Inc.
Revere Corp. of America
Thionville Inspetora de Cargas e Analises Ltda. (Brazil)
Thionville Laboratories & Surveying Co. Inc.
Thionville Surveying Company (Netherlands)

manufacturers & suppliers guide

A

A&L PLAINS LABORATORIES, INC.
302-34th St., P.O. Box 1590, Lubbock, TX 79408, Ph. 806-763-4278.
CONTACT PERSON: Arthur Carnrick
SERVICES UNDER: Commercial Services

ACEITES Y DERIVADOS DEL PACIFICO, S.A. DE C.V.
Apartado Postal No. 312, Hermosillo, Mexico, Ph. 91-621-4-22-15, 4-29-64, 4-23-76; TLX: 058854.
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

ACOMARIT SERVICES MARITIMES S.A.
3 Rue DuMont Blanc, Geneva, Switzerland, Ph. 22-31.16.00; TLX: 23752 (ACMA CH).
SERVICES UNDER: Commercial Services

AEROGLIDE CORP.
P.O. Box Aeroglide, Raleigh, NC 27626-9990, Ph. 919-851-2000; TLX: 579421 (AEROGLIDE RAL).
CONTACT PERSON: Hal Bland, Mgr. Bus. Dev.
PRODUCTS UNDER: Commercial Equipment & Supplies

AGRI SCIENCE LABORATORIES, INC.
16633 Valley View Ave., Cerritos, CA 90701, Ph. 213-926-5525.
CONTACT PERSON: Kenneth P. Stoub
SERVICES UNDER: Commercial Services

AGRICULTURAL LABORATORIES
1145 Chesapeake Ave.,P.O. Box 12567, Columbus, OH 43212, Ph. 614-488-0736.
CONTACT PERSON: Darrell Walk
PRODUCTS UNDER: Farm Equip. & Supplies

AIR-TECH INDUSTRIES, INC.
85 Madison Circle Dr., East Rutherford, NJ 07073, Ph. 201-460-9730; TLX: 133524 (AIRTECH ERFD).
CONTACT PERSON: Alfred L. Hollender
PRODUCTS UNDER: Commercial Equipment & Supplies

ALCOA STEAMSHIP COMPANY, INC.
One World Trade Center, Room 8151, New York, NY 10048, Ph. 212-775-1177.
CONTACT PERSON: John Crowe, VP
SERVICES UNDER: Commercial Services

THE ALDON COMPANY
3410 Sunset Ave., Waukegan, IL 60087, Ph. 312-623-8800.
CONTACT PERSON: Josephr R. Ornig, Asst. Gen. Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

ALFA-LAVAL AB
Box 500, 14700 Tumba, Sweden, Ph. +46-753-65000; TLX: 10260, 10261 & 10923; TELEGRAMS: Alfa-Laval Tumba.
CONTACT PERSON: Department FR
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

ALLIED CHEMICAL
P.O. Box 1000R, Morristown, NJ 07960, Ph. 201-455-3984.
CONTACT PERSON: John C. Thieman
PRODUCTS UNDER: Farm Equip. & Supplies

ALLIS-CHALMERS CORP.
P.O. Box 512, Milwaukee, WI 53201, Ph. 414-475-4136; TLX: 269441 (ALISCHAWLIS); TWX: 9102623444 (ALLISCHALMIL).
CONTACT PERSON: Bill Anderson
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

ALPINE AMERICAN CORPORATION
5 Michigan Dr., Natick, MA 01760, Ph. 617-655-1123; TLX: 94-84-50 (ALPINE NTIK).
CONTACT PERSON: A. Heidinger, VP Mech. Proc. Div.
PRODUCTS UNDER: Commercial Equipment & Supplies

AMERICAN BULK TRANSPORT CO.
P.O. Box 2387, Kansas City, MO 66110, Ph. 913-321-1234.
CONTACT PERSON: W.J. O'Neill, Traffic Mgr.
SERVICES UNDER: Commercial Services

AMERICAN DRYING SYSTEMS, INC.
1135 N.W. 159th Dr., Miami, FL 33169-5880, Ph. 305-625-2451.
CONTACT PERSON: James E. Thompson
PRODUCTS UNDER: Commercial Equipment & Supplies

AMERICAN DRYNAMICS INC.
P.O. Box 22588, Louisville, KY 40222, Ph. 502-499-6500.
CONTACT PERSON: E.D. Curtis or D.D. Curtis
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

AMERICAN LEWA, INC.
11 Mercer Rd., Natick, MA 01760, Ph. 617-653-0229; TLX: 94-8420 (AMLEWA NTIK).
CONTACT PERSON: Wolfgang H. Gellrich
PRODUCTS UNDER: Commercial Equipment & Supplies

AMERICAN MICROTECH, INC.
1421 13th St., Racine, WI 53403, Ph. 414-637-0130.
CONTACT PERSON: Robert L. Underwood
PRODUCTS UNDER: Commercial Equipment & Supplies

LA AMERICANA GRASAS Y ACEITES COMESTIBLES, S.A.
Carrera 1B No. 47-12, Cali, Colombia, Ph. 441021; TLX: 055706.
CONTACT PERSON: Luis Fernando Santamaria
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

ANDERSON INTERNATIONAL
6200 Harvard Ave., Cleveland, OH 44105, Ph. 216-641-1112; TLX: 98-0259 (ANDERSON STU).
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

ANPROCO INTERNATIONAL, INC.
15300 Pearl Rd., Strongsville, OH 44136, Ph. 216-238-7000.
CONTACT PERSON: Hans R. Strop
SERVICES UNDER: Commercial Services

ARIZONA TESTING LAB
817 W. Madison St., Phoenix, AZ 85007, Ph. 602-254-6181.
CONTACT PERSON: Claude McLean Jr.
SERVICES UNDER: Commercial Services

ASGROW SEED COMPANY
The Upjohn Company, Kalamazoo, MI 49001, Ph. 616-385-6609; TLX: 224488.
CONTACT PERSON: Leo Zanoni, PR Assoc.
SERVICES UNDER: Commercial Services

THE AUSTIN CO.
2001 Rand Rd., Des Plaines, IL 60016, Ph. 312-694-4300; TLX: 910-233-0893 (AUSTIN-CHIDIS).
CONTACT PERSON: S.A. Brown
SERVICES UNDER: Commercial Services

AVCO NEW IDEA FARM EQUIPMENT
420 S. First St., Coldwater, OH 45828, Ph. 419-678-5311; TLX: 242 448 (NEW IDEA COLT).
CONTACT PERSON: Richard Hines, Adv. Supervisor
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

B

BASF WYANDOTTE
100 Cherry Hill Rd., Parsippany, NJ 07054, Ph. 201-263-3400.
CONTACT PERSON: Cust. Serv. Mgr.-Ag. Chem.
PRODUCTS UNDER: Farm Equip. & Supplies

BFC CHEMICALS, INC.
4311 Lancaster Pike, P.O. Box 2867 Wilmington, DE 19805, Ph. 302-575-7850; TLX: 853479.
CONTACT PERSON: George Jones, Dir. Comm.
PRODUCTS UNDER: Farm Equip. & Supplies

CHARLES V. BACON INC.
730 Barataria Blvd., P.O. Box 97, Marrero, LA 70073, Ph. 504-347-1468; TLX: 810-951-5260 (CHARBACON MARR).
CONTACT PERSON: Carl Maio or Wm. J. Swendsen
SERVICES UNDER: Commercial Services

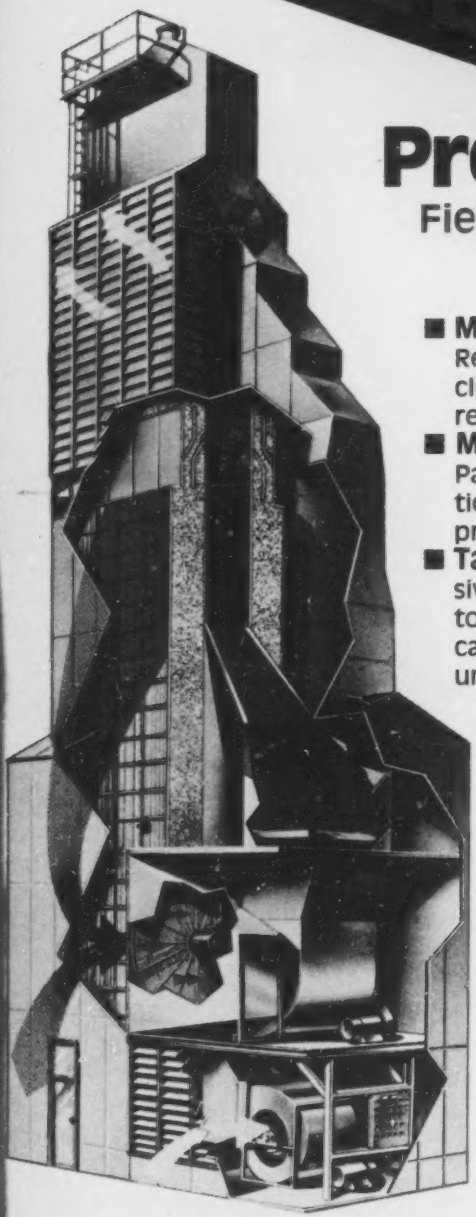
BARROW AGEE LABORATORIES
Box 156, Memphis, TN 38101, Ph. 901-332-1590.
CONTACT PERSON: Lynn Hawkins
SERVICES UNDER: Commercial Services

BAUERMEISTER, INC.
3951 Senator St., Memphis, TN 38118, Ph. 901-363-3921.
CONTACT PERSON: Jack G. Moore, VP, Commercial
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment; Commercial Services

HERMANN BAUERMEISTER MASCHINENFABRIK GmbH
Postfach 50 01 60, Friedensallee 44, 2000 Hamburg 50, Fed. Rep. of Germany, Ph. 40/39-11-96; TLX: 213452 or 214489 (BMSTR D).
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

BAZOOKA GRAIN MOVING SYSTEMS
P.O. Box 265, Assaria, KS 67416, Ph. 913-667-5505.
CONTACT PERSON: Dennis Katzenmeier, Adv. Mgr.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

No. 1 for soybeans...



Process Driers

Field proven... with more features and benefits:

- **Maximizes fuel efficiency...** Full Recirculating Air System... with a recycle air cleaning device that cleans all recycle air. Much safer, too.
- **More production capacity...** Patented TURN-FLO column mixing action provides uniform drying for more process efficiency and capacity.
- **Tapered column design** — exclusive. Narrow at top and wider at bottom... resulting in 1) increased drying capacity, 2) better fuel efficiency and 3) uniform drying.
- **Cleaner inside...** All recirculated air is cleaned air. Minimizes exhaust air and effluent to atmosphere, too.
- **All weather enclosure** — non-pressurized. Operator serviceability. No drying floors or compartments to clean!
- **Automatic** moisture control device.
- **Proven fuel efficiency... proven reliability... proven design...** with capacities to 10,000 Bu/hr or more.

RECIRCULATING SYSTEM Patent No. 4,048,727
TURN-FLO Patent No. 3751824

Gain the benefit of Berico's Process Drying experience! Call or write...

BERICO INDUSTRIES

P.O. BOX 12285 • OVERLAND PARK, KANSAS 66212 • TELEPHONE 913/341-8660

BEAN MACHINES INC.
P.O. Box 1145, Sebastopol, CA 95472, Ph. 707-829-2952.
CONTACT PERSON: Larry Needleman
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

BELLATTI SOYBEANS
Mt. Pulaski, IL 62548, Ph. 217-792-5326.
CONTACT PERSON: Louis Bellatti
SERVICES UNDER: Commercial Services

BENDER-ROSS EQUIPMENT CO. INC.
4504 Cuming St., Omaha, NE 68132, Ph. 402-553-7342.
CONTACT PERSON: Bob Reichstadt, Gen.Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

BERICO INDUSTRIES
Box 12285, Overland Park, KS 66212, Ph. 913-341-8660; TLX: 42-4142 (BERICOIND OLPK).
CONTACT PERSON: Jack Bussell
PRODUCTS UNDER: Commercial Equipment & Supplies

BEST-WAY, INC.
1315 S. 8th St., Box S, Clear Lake, IA 50428, Ph. 515-357-6155.
CONTACT PERSON: Stan Boley
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

BINDICATOR COMPANY
P.O. Box 9, Port Huron, MI 48060, Ph. 313-987-2700; TWX: 810-231-5261 (BINDCATOR PTHU)
CONTACT PERSON: Janet Oles, Mktg. Admin.
PRODUCTS UNDER: Commercial Equipment & Supplies

BLOUNT/FERRELL-ROSS
1621 Wheeler St., Saginaw, MI 48602, TLX: 227-421 (CLIPPER/SGW).
CONTACT PERSON: William W. Wallace
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

BLOUNT/MIX-MILL
P.O. Box 256, Bluffton, IN 46714, Ph. 219-824-3400; TLX: 6538-(232419)-01 (BLOUNT MIX-BLTN).
CONTACT PERSON: Carol S. Ely
PRODUCTS UNDER: Commercial, Soy Product Processing and Farm Equipment & Supplies

BORDEN INC., CHEMICAL DIV.
Smith Douglass, 5100 E. Virginia Beach Blvd., P.O. Box 419, Norfolk, VA 23501, Ph. 804-461-7200; Other locations: Smyrna, DE; Streator, IL; Holland, Riga and Saginaw, MI; Kinston and Wilmington, NC; Sidney, OH.
CONTACT PERSON: Roy W. Brun, VP
PRODUCTS UNDER: Farm Equip. & Supplies

PAUL A. BOULO INC.
P.O. Box 484, Mobile, AL 36601, Ph. 205-433-5445; TLX: 50-5469; TWX: 810-741-7947.
CONTACT PERSON: Tyler T. Boulo
SERVICES UNDER: Commercial Services

ROSS BRIAN AND ASSOCIATES INC.
81 Country Club Dr., Danville, IL 61832, Ph. 217-443-2605.
CONTACT PERSON: Ross Brian, Pres.
PRODUCTS & SERVICES UNDER: Soy Product Processing Equip. & Supplies; Commercial Services

BROCKMAN & ASSOCIATES INTERNATIONAL
5309 Whitesburg Dr. S., Huntsville, AL 35802, Ph. 205-883-1972.
CONTACT PERSON: Leonard Brockman, Sr., or Leonard Brockman, Jr.
SERVICES UNDER: Commercial Services

BROWNING MFG. DIV. EMERSON ELECTRIC CO.
P.O. Box 687, Maysville, KY 41056, Ph. 606-564-2011; TLX: 21-8498 (BRWMG MFG MAYS).
CONTACT PERSON: Steve Donovan, Dir. Marketing Services
PRODUCTS UNDER: Commercial Equipment & Supplies

BUHLER BROTHERS LTD.
Uzwil, Switzerland, CH-9240, Ph. 073-50-11-11; TLX: 883-131 (GBU CH).
CONTACT PERSON: W. Fetzer, Dept. DM
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

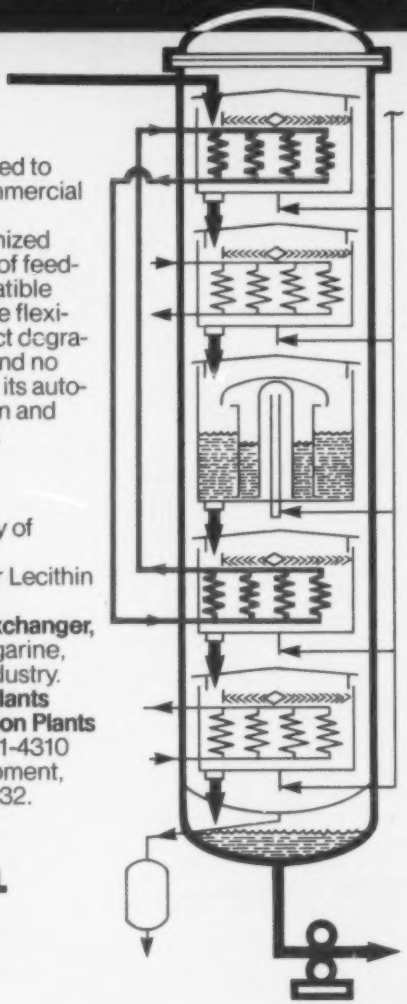
BUHLER-MIAG, INC.
1100 Xenium Lane, P.O. Box 9497, Minneapolis, MN 55440, Ph. 612-545-1401; TLX: 29-0445 (BUHLER MPS).
CONTACT PERSON: Hans Stricker
PRODUCTS & SERVICES UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies; Commercial Services

BUSS-CONDUX, INC.
2411 United Lane, Elk Grove Village, IL 60007, Ph. 312-595-7474.
CONTACT PERSON: Edmund Meier
PRODUCTS UNDER: Commercial Equipment and Supplies

C

CAP, INC.
(CHEMICAL AGRICULTURAL PROCESSES)
P.O. Box 309, Mt. Zion, IL 62549, Ph. 217-864-5616.
CONTACT PERSON: E.E. Petty
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

VOTATOR Deodorizer



The name you can rely on for quality production.

The *Votator* deodorizer is engineered to process the complete range of commercial vegetable oils and animal fats.

Design features include: Optimized heat recovery (approximately 45% of feedstock heating requirements) compatible with unsurpassed feedstock change flexibility, plug-flow principle, no product degradation in the event of air leakage, and no reflux contamination. What's more, its automatic controls permit easy selection and adjustments of operating variables.

Other *Votator* equipment and processes:

- **Scrub Cooler** for efficient recovery of valuable deodorizer distillates.
- **Turba-Film** thin film evaporator for Lecithin and Soapstock drying.
- ***Votator* Scraped Surface Heat Exchanger,** for years the standard of the margarine, shortening and salad dressing industry.
- **Continuous Vacuum Bleaching Plants**
- **Batch or "Dead End" Hydrogenation Plants**

For more information, call (502) 491-4310 or write, Chemetron Process Equipment, P.O. Box 35600, Louisville, KY 40232.

CHERRY-BURRELL
AMCA INTERNATIONAL
ANCO-MEPACO-VOTATOR

CE BAUER
P.O. Box 968, Springfield, OH 45501, Ph. 513-390-3400; TLX: 020-5411 (BAUER BROS SPI).
CONTACT PERSON: G.L. Stempfly
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

CVC PRODUCTS
525 Lee Rd., Box 1886, Rochester, NY 14603, Ph. 716-458-2550; TLX: 97-8269.
CONTACT PERSON: Christine Whitman, Prod. Mgr.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

CALIFORNIA PELLET MILL CO.
1114 E. Wabash Ave., Crawfordsville, IN 47933, Ph. 317-362-2600; TLX: 27-6200 (IRCPCW); 810-268-0350 (IRCCPCR).
CONTACT PERSON: Roy A. Robinson, W.E. Bennett or Cal Wise
PRODUCTS UNDER: Commercial Equipment & Supplies

CALSICAT DIVISION
MALLINCKRODT, INC.
1707 Gaskell Ave., Erie, PA 16503, Ph. 814-455-0951; TLX: 91-4402 (CALSICAT ERI).
CONTACT PERSON: Bert L. Major
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

CAMBRIAN ENGINEERING GROUP LIMITED
CAMBRIAN PROCESSES DIVISION
2465 Cawthra Rd., Unit 112, Mississauga, Ontario, Canada L5A 3P2, Ph. 416-272-1400; TLX: 069-61165 (CAMBRIAN MSGA).
CONTACT PERSON: Peter Sleggs or B.T. Andrzejewski
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

CARGILL AGRICOLA S.A.
Rua Olavo Bilac 157, Sao Paulo, Brazil 04671, Ph. 011.5488122, or 5489022; TLX: 011.21268 (CARG).
CONTACT PERSON: Hercules Migliacci or Jose Roberto G. Ferreira
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

CARTER-DAY COMPANY
500 73rd Ave. N.E., Minneapolis, MN 55432, Ph. 612-571-1000; TLX: 29-0684.
CONTACT PERSON: T.E. Hartman
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

J.I. CASE COMPANY
700 State St., Racine, WI 53404, Ph. 414-636-6869.
PRODUCTS UNDER: Farm Equip. & Supplies

THE CHANTLAND COMPANY
Div. of Douglas & Lomason Co., P.O. Drawer A, Humboldt, IA 50548, Ph. 515-332-4040; TWX: 910-523-6942.
CONTACT PERSON: Richard Mattoon, Mktg. Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

CHARTER INTERNATIONAL OIL CO.
P.O. Box 5008, Houston, TX 77012, Ph. 713-923-3300.
CONTACT PERSON: Alfred G. Youens
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

CHASE BAG CO.
#2 Greenwich Plaza, Greenwich, CT 06830, Ph. 203-661-3400; TWX: 710-579-2929 (CHASE BAG).
PRODUCTS UNDER: Commercial Equipment & Supplies

CHEM-STAAT LABORATORIES, INC.
2008 Sergeant, Suite 200, Joplin, MO 64801, Ph. 417-781-2666.
CONTACT PERSON: Garrett Staat or Randy Ford
SERVICES UNDER: Commercial Services

CHEMETRON PROCESS EQUIPMENT
Div. of Cherry-Burrell, P.O. Box 35600, Louisville, KY 40232, Ph. 502-491-4310; TLX: 204283 (VOTATOR LVL).
CONTACT PERSON: Calvin T. Zehnder
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

CHESSIE SYSTEM
C&O/B&O/WM Railroads, CSX Corp., Baltimore, MD 21201, Ph. 301-237-2727.
CONTACT PERSON: Jay R. Angle, Mgr. Food & Grain
SERVICES UNDER: Commercial Services

THE CHESTER ENGINEERS
845 Fourth Ave., Coraopolis, PA 15108, Ph. 412-262-1035; TLX: 866-480 (MESTA PGH).
CONTACT PERSON: Leon E. Langford, Dir. of Business Development
SERVICES UNDER: Commercial Services

CHEVRON CHEMICAL COMPANY
575 Market St., San Francisco, CA 94105, Ph. 415-894-3043; TLX: 34410 (SOCOSAN SFO); TWX: 910372-7340 (SOCOSAN SFO).
CONTACT PERSON: L.H. Sutherland
PRODUCTS UNDER: Farm Equip. & Supplies

CHICAGO EASTERN CORPORATION
200 N. Prospect St., Marengo, IL 60152, Ph. 815-568-7264.
CONTACT PERSON: Keith McLaughlin
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

CHIPMAN CHEMICALS INC.
P.O. Box 718, River Rouge, MI 48218, Ph. 416-643-4123.
CONTACT PERSON: J.S. Gilmore
PRODUCTS UNDER: Farm Equip. & Supplies

CIBA-GEIGY CORPORATION
Agricultural Div., P.O. Box 18300, Greensboro, NC 27419, Ph. 919-292-7100.
CONTACT PERSON: Jan Smith
PRODUCTS UNDER: Farm Equip. & Supplies

CLAYTON BROKERAGE CO. OF ST. LOUIS, INC.
7701 Forsyth Blvd., Suite 300, St. Louis, MO 63105, Ph. 314-727-8000.
CONTACT PERSON: James A. Layton, Pres.
SERVICES UNDER: Commercial Services

CODEMA, INC.
5508 N. Douglas Dr., Minneapolis, MN 55429, Ph. 612-535-4354; TLX: 290328 (CODEMA CYSL).
CONTACT PERSON: Heinz Baecker
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

COKER'S PEDIGREED SEED CO.
P.O. Box 340, Hartsville, SC 29550, Ph. 800-845-0792 or 803-332-8151; TLX: 573343 (COKER'S HTSV).
CONTACT PERSON: Marion D. Hawkins
SERVICES UNDER: Commercial Services

COMMODITY NEWS SERVICES, INC.
2100 W. 89th St., Leawood, KS 66206, Ph. 913-642-7373 or 800-255-6490.
CONTACT PERSON: Charles E. Owens, VP Mktg./Sls. or Robert G. Bryant, Nat'l. Sls. Mgr.
SERVICES UNDER: Commercial Services

COMMODITY RESEARCH BUREAU, INC.
75 Montgomery St., Jersey City, NJ 07302, Ph. 201-451-7500.
CONTACT PERSON: Tom Waclawik
SERVICES UNDER: Commercial Services

CONTROL ASSEMBLIES CO.
5735 Lindsay St., Minneapolis, MN 55422, Ph. 612-544-3364.
CONTACT PERSON: Garber Trambley
PRODUCTS UNDER: Commercial Equipment & Supplies

COROIL, C.A.
Avenida Lisboa, Quinta Costa Brava, La California Norte, Caracas, Miranda, Venezuela 61313, Ph. (58) 21-52-24 and 21-84-35; TLX: 24946 (COROI VC).
CONTACT PERSON: Antonio Navarro Mendez
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

COSTRUZIONI MECCANICHE BERNARDINI S.p.A.
Via dei Castelli Romani, 2, Pomezia-Rome, Italy 00040, Ph. 06-9120251/52/53; TLX: 610220 (CMB I).
CONTACT PERSON: Mr. Vittorio Colucci
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

COUNTRY BRAND SEEDS, INC.
714 West 1st St., Cedar Falls, IA 50613, Ph. 319-277-7202; TLX:465650 (JED Grain CFLS).
CONTACT PERSON: Joel Kuhens, Grn. Mrch.
SERVICES UNDER: Commercial Services

CREASON CORRUGATING & MACHINERY CO. INC.
5844 N. Broadway, Wichita, KS 67219, Ph. 316-744-0061.
CONTACT PERSON: Henry H. Stark
PRODUCTS & SERVICES UNDER: Commercial Services

CRIPPEN MFG. CO., INC.
700 West End St., Alma, MI 48801, Ph. 517-463-2119.
CONTACT PERSON: Robert E. Frevert
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

CROWN IRON WORKS COMPANY
1229 Tyler St. N.E., P.O. Box 1364, Minneapolis, MN 55440, Ph. 612-781-3101; TLX: 29-0204 (CROWN MPS).
CONTACT PERSON: Glenn D. Brueske
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equip. & Supplies

Used Equipment

For Soybean Processing, Cottonseed Processing, Vegetable Oil Refining

Over 4,500 pieces of highly usable equipment in our constantly changing computerized inventory. Immediate availability at substantially reduced prices. Fast, friendly, honest service. We also buy.

- Extractors
- Cracking Mills
- Flaking Mills
- Hammermills
- Dryers & Coolers
- Stack Cookers
- Desolventizing Toasters

Write or phone for specifics and current catalog

Over 15 Years of Specialized Service to the Industry

DuMOND CO., INC.
Drawer E3 • Downers Grove, Ill. 60515
Phone: (312) 969-2010
Telex: 270067 Cable: DUMOND
Answer back DuMond Dove

CURTIS AND TOMPKINS, LTD.
290 Division St., San Francisco, CA 94103, Ph. 415-861-1863; TLX: 171042 (ANALYST SFO); TWX: 910-345-6820 (ANALYST WLM).
CONTACT PERSON: Dr. Bruce Godfrey
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

D

DABNEY-HOOVER SUPPLY CO. INC.
61 W. Georgia Ave., P.O. Box 692, Memphis, TN 38101, Ph. 901-523-8061.
CONTACT PERSON: C.W. Hoover III
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

DAEJIN AUDIO CO., LTD.
C.P.O. Box 8562, Seoul, Korea, Ph. 777-4271/5, 5 lines; TLX: K25165 (DJINTER)
CONTACT PERSON: S.Y. Choi
SERVICES UNDER: Commercial Services

DAIRYLAND SEED COMPANY, INC.
3570 Hwy. H, P.O. Box 958, West Bend, WI 53095, Ph. 414-338-0163.
CONTACT PERSON: Thomas G. Strachota
SERVICES UNDER: Commercial Services

DAMMAN-CROES S.A.
Spanjestreet, 51, Roeselare, Belgium, Ph. 051-204343; TLX: 81548 (DAMMANG).
CONTACT PERSON: Pierre De Poorter
PRODUCTS UNDER: Commercial and Soy Product Processing Equip. & Supplies

DAVENPORT MACHINE & FOUNDRY CO.
1628 W. 4th St., P.O. Box 3339, Davenport, IA 52808, Ph. 319-322-6201; TLX: 468-466 (DAV-MACHINE DVP).
CONTACT PERSON: Frank Bialobreski, Gen. Sales Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

DAVIDSON-KENNEDY COMPANY
1090 Jefferson St. N.W., P.O. Box 93406, Atlanta, GA 30377, Ph. 404-874-4483.
CONTACT PERSON: Terre Hurst, Chief Eng.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

DAVY BAMAG GmbH
P.O. Box 460, D-6308 Butzbach, Fed. Rep. of Germany, Ph. 06033 831; TLX: 418 44 87.
CONTACT PERSON: M. Nikutowski, Sales Dir.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

DE SMET U.S.A. CORPORATION
2625 Cumberland Parkway, Suite 200, Atlanta, GA 30339, Ph. 404-436-0061; TLX: 804249; Other offices: Buenos Aires, Argentina, Ph. 11 12 67; Antwerp, Belgium, Ph. 449 42 40; Sao Paulo, Brazil, Ph. 815-6022; Bogota, Colombia, Ph. 235-9664; Kuala Lumpur, Malaysia; Florencia, Mexico, Ph. 533-4024; Makati, Rizal, Philippines, Ph. 8181381; Istanbul, Turkey, Ph. 49 53 25.
CONTACT PERSON: Guy Posschelle, Atlanta, Georgia
PRODUCTS FOR ALL OFFICES UNDER: Commercial and Soy Product Processing Equipment & Supplies

DEDERT CORPORATION
20000 Governors Dr., Olympia Fields, IL 60461-1074, Ph. 312-747-7000, TLX: 25-3889.
CONTACT PERSON: Bob Hagman
PRODUCTS UNDER: Commercial Equipment & Supplies

DEEP SOUTH LABS, INC.
2833 W. Edgemont Ave., P.O. Box 4133, Montgomery, AL 36101, Ph. 205-288-8785.
CONTACT PERSON: Charles R. Jenkins
SERVICES UNDER: Commercial Services

DEERE AND COMPANY
John Deere Rd., Moline, IL 61265, Ph. 309-752-8000.
CONTACT PERSON: Will McCracken, PR
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

DEKALB-PFIZER GENETICS
3100 Sycamore Rd., DeKalb, IL 60115, Ph. 815-756-3671; TLX: 257342 (DEKALB CO)
CONTACT PERSON: Soybean Product Mgr.
SERVICES UNDER: Commercial Services

DELTA AND PINE LAND COMPANY
One Cotton Row, Scott, MS 38772, Ph. 601-742-3351; TWX: 5109929310 (COTTONSEED SCTT).
CONTACT PERSON: Danny Mathews
SERVICES UNDER: Commercial Services

DESARROLLO INDUSTRIAL INGS., S.A.
Av. Casma 515, Col. Churubusco Tepeyac, Deleg. Gustavo A. Madero, Mexico D.F. 07730, Ph. 754-37-88 or 754-32-53; TLX: 017-73944 (PBTVME).
CONTACT PERSON: Anacleto Gonzalez Flores
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

DIAMOND SHAMROCK CORP.
1100 Superior Ave., Cleveland, OH 44114, Ph. 216-694-5000.
CONTACT PERSON: K. Schwartau, Prod. Mgr.
PRODUCTS UNDER: Farm Equip. & Supplies

DICKEY-john CORPORATION
P.O. Box 10, Auburn, IL 62615, Ph. 217-438-3371.
CONTACT: Customer Relations Dept.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

DICKEY MACHINE WORKS
P.O. Box 5610, Pine Bluff, AR 71611, Ph. 501-536-1300.
CONTACT PERSON: M.L. Jones II
PRODUCTS UNDER: Farm Equip. & Supplies

DIKTIC INC.
P.O. Box 309, Mt. Zion, IL 62549, Ph. 217-864-5616.
CONTACT PERSON: E.E. Petty
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

DISTILLATION PRODUCTS INDUSTRIES
P.O. Box 511, Kingsport, TN 37662, Ph. 615-229-4664; TLX: 553450 (TEC ECPI KSTA); TWX: 810-574-5174 (TEC ECPI KPT).
CONTACT PERSON: T.R. Fields
SERVICES UNDER: Commercial Services

DIVINE ENGINEERING, INC.
5440 6th St. S.W., Cedar Rapids, IA 52404, Ph. 319-365-0564.
CONTACT PERSON: Jared S. Hills
PRODUCTS UNDER: Commercial Equipment & Supplies

DODGE/RELIANCE ELECTRIC
500 S. Union St., Mishawaka, IN 46544, Ph. 219-256-1551.
CONTACT PERSON: Max Rose
PRODUCTS UNDER: Commercial Equipment & Supplies

DO-WELL OIL PLANTS PRIVATE LIMITED
306, Manish Commercial Centre, Dr. Annie Besant Road, Bombay, India 400 025, Ph. 422-4056, 422-7219 and 422-6350; TWX: DOTRACT-BOMBAY 25.
CONTACT PERSON: Devinder Malhotra, Mgr. Dir.
PRODUCTS & SERVICES UNDER: Soy Product Processing Equip. & Supplies; Commercial Services

DRAKE PETROLEUM COMPANY
6231 N. Pulaski Rd., Chicago, IL 60646, Ph. 312-588-2060; TWX: 910-221-5275.
CONTACT PERSON: C.E. Kelly, Jr.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

DRAVO ENGINEERS, INC.
One Oliver Plaza, Pittsburgh, PA 15222, Ph. 412-566-3655; TLX: 86-6125 (DRAVO PGH).
CONTACT PERSON: William A. Coombes
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

DRIALL, INC.
Box 309, Attica, IN 47918, Ph. 317-295-2255.
CONTACT PERSON: William G. Applegate
PRODUCTS UNDER: Commercial Equipment & Supplies

DuMOND COMPANY, INC.
925 Curtiss St., P.O. Drawer E, Downers Grove, IL 60515, Ph. 312-969-2010; TLX: 270067 (DUMOND DOVE).
CONTACT PERSON: Donald E. Stallter
PRODUCTS UNDER: Commercial, Soy Product Processing and Farm Equipment & Supplies

DUNBAR KAPPLE
602 North 12th Street, St. Charles, IL 60174, Ph. 312-377-1817; TLX: 720438 (DUNBAR BVAI).
CONTACT PERSON: W. Bruce Weller
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

JAMES E. DUNN GRAIN SERVICES, INC.
714 West First Street, Cedar Falls, IA 50613, Ph. 319-277-7202; TLX: 465650 (JED Grain CFLS).
CONTACT PERSON: Joel Kuhens, Grn. Merch.
SERVICES UNDER: Commercial Services

E.I. DuPONT de NEMOURS & CO, INC.
1007 Market St., Wilmington, DE 19898, Ph. 302-774-2421.
CONTACT: Product Information Center
PRODUCTS UNDER: Farm Equip. & Supplies

DU-VAL INDUSTRIAL FOREIGN TRADE CORPORATION
5121 McKinney, Dallas TX 75205, Ph. 214-526-4630; TLX: 203929 (DUVAL UR).
CONTACT PERSON: R.V. Millers
PRODUCTS & SERVICES UNDER: Commercial, Soy Product Processing and Farm Equipment & Supplies; Commercial Services

E

EMI CORPORATION
3166 Des Plaines Ave., Des Plaines, IL 60018, Ph. 312-827-3164; TLX: 726354 (EMI DSP).
CONTACT PERSON: William J. McPherson, Mktg. Mgr.
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

ECOLOGICAL PRODUCTS, LTD.
P.O. Box 1314, Des Moines, IA 50305, Ph. 515-282-6315.
CONTACT PERSON: John Ede
PRODUCTS UNDER: Farm Equip. & Supplies

ELANCO PRODUCTS CO.
740 South Alabama St., Indianapolis, IN 46285, Ph. 317-261-3000; TLX: 276051; TWX: 810-341-3500.
PRODUCTS UNDER: Farm Equip. & Supplies

ELECTRICAL ENGINEERING & EQUIPMENT CO.
1201 Walnut St., Des Moines, IA 50307, Ph. 515-282-0431.
CONTACT PERSON: John R. Pilmer
PRODUCTS UNDER: Commercial Equipment & Supplies

ELLIOT AUTOMATION COMPANY INC.
10903 Brooklet Dr., Houston, TX 77099, Ph. 713-530-2108; TLX: 79-2425 (ELL AUTO HOU).
CONTACT PERSON: Janice Mousseau
PRODUCTS UNDER: Commercial Equipment & Supplies

ENTOLETER DIVISION, SAFETY RAILWAY SERVICE CORP.
251 Welton St., Hamden, CT 06511, Ph. 203-787-3575; TLX: 963479 (ENT ACI HADN).
CONTACT PERSON: E.F. Corr
PRODUCTS UNDER: Commercial Equipment & Supplies

ERDCO ENGINEERING CORPORATION
P.O. Box 1310, Evanston, IL 60204, Ph. 312-328-0550; TLX: 20-6915 (ERDCO ENG EVN).
CONTACT PERSON: Bruce Nesvig
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

EXPERIENCE, INCORPORATED
1930 Dain Tower, Minneapolis, MN 55402, Ph. 612-333-5231.
CONTACT PERSON: Dr. William Bursch, VP
SERVICES UNDER: Commercial Services

EXTRAKTIONSTECHNIK GESELLSCHAFT FUR ANLAGENBAU M.B.H.
Humboldtstrasse 56, D2000-Hamburg, Fed. Rep. of Germany, Ph. 040-220-12-61; TLX: 213-093 (EXTR D).
CONTACT PERSON: Peter Witt
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

EXXON COMPANY, USA
P.O. Box 2180, Houston, TX 77001, Ph. 713-656-4574.
CONTACT PERSON: W.J. Landry
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

F

FMC CORPORATION, MATERIAL HANDLING SYSTEMS DIV.
3400 Walnut St., Colmar, PA 18915, Ph. 215-822-4300; TLX: 846-491 (FMCMTHGSY COLA); TLX Int'l: 685-1149 (6851149 FMCMHSPA).
CONTACT PERSON: E.J. Kaercher
PRODUCTS UNDER: Commercial Equipment & Supplies

C.A. FACEGRA
Av. Navas Spinola, c/c Farriar Apdo. No. 1, Valencia, Carabobo, Venezuela, Ph. 045-71-13-30; TLX: 41171.
CONTACT PERSON: Saul Hernandez Yanez
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

FAGRAVE S.A.
Via 40 #53B-71, Barranquilla, Colombia, Ph. 316120; TLX: 33115.
CONTACT PERSON: Edoardo Rosas
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

FAIRBANKS WEIGHING DIVISION
711 E. St. Johnsbury Rd., St. Johnsbury, VT, 05819, Ph. 802-748-5111.
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

THE FALK CORP.
P.O. Box 492, Milwaukee, WI 53201, Ph. 414-342-3131; TLX: 4311057 (FALK UI); TWX: 4311057 (FALKUI).
CONTACT PERSON: H. Davis, Mgr. Std. Prod.
PRODUCTS UNDER: Commercial Equipment & Supplies

FARM FANS, INC.
5900 Elmwood Dr., Indianapolis, IN 46203, Ph. 317-787-6341.
CONTACT PERSON: David A. Engel
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

FAZENDA BOA FE
Rua Joao Caetano, 46-Caixa Postal 263, Uberaba, Minas Gerais-Brasil 38.100, Ph. 034-332-0277 or 332-8069.
CONTACT PERSON: Samuel Ma or Michael Ma
SERVICES UNDER: Commercial Services

FEECO INTERNATIONAL, INC.
3913 Algoma Rd., Green Bay, WI 54301, Ph. 414-468-1000; TLX: 263456 (FEECO GRB).
CONTACT PERSON: Gene Le Boeuf
PRODUCTS & SERVICES UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

FIRST SPICE MIXING CO. INC.
33-33 Greenpoint Ave., Long Island City, NY 11101, Ph. 212-361-2556.
CONTACT PERSON: Martin U. Heiman
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

DAVE FISCHBEIN COMPANY
2700 30th Ave. S., Minneapolis, MN 55406, Ph. 612-721-4806; TLX: 290963 (FISCHBEIN MSP).
CONTACT PERSON: Michael Erickson
PRODUCTS UNDER: Commercial Equipment & Supplies

FLEXIBLE STEEL LACING COMPANY
2525 Wisconsin Ave., Downers Grove, IL 60515, Ph. 312-971-0150; TLX: 72-8383 (FLEXCO DOVE).
CONTACT PERSON: Harold A. Meekins, Field Sales Mgr.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

FOOD INGREDIENTS (MINN.) INC.
2121 Toledo Ave. N., Golden Valley, MN 55422, Ph. 612-588-9456; TLX: 206-804.
CONTACT PERSON: Dale W. Johnson
SERVICES UNDER: Commercial Services

FORSBERGS INC.
Airport Rd., P.O. Box 510, Thief River Falls, MN 56701, Ph. 218-681-1927; TWX: 910-561-2634 (FORSBERGS THRF).
CONTACT PERSON: Dave Strong, Gen. Mgr.
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

FORT WORTH STEEL & MACHINERY
3600 McCart St., P.O. Box 1038, Ft. Worth, TX 76101, Ph. 817-924-4255;
CONTACT PERSON: D.R. Dexheimer
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

FOSS AMERICA INC.
P.O. Box 504, Fishkill, NY 12524, Ph. 914-221-2056; TLX: 926477 (FOSSELECT FHKL).
CONTACT PERSON: Knud Clemmensen
PRODUCTS UNDER: Commercial Equipment & Supplies

FOX TESTING LABORATORY INC.
P.O. Box 1299, Lubbock, TX 79408, Ph. 806-763-4518.
CONTACT PERSON: Ronnie Fox
SERVICES UNDER: Commercial Services

THE FOXBORO COMPANY
38 Neponset Ave., Foxboro, MA 02035, Ph. 617-543-8750; TLX: 927-602 (FOXBOROCO FOXO); TWX: 710-346-7630.
PRODUCTS UNDER: Commercial Equipment & Supplies

FRANZ KIRCHFELD GmbH & CO. KOMMANDITGESELLSCHAFT
Koenigsallee 17, 4000 Duesseldorf, NRW, Fed. Rep. of Germany, Ph. 0211-83981; TLX: 0858 1999 (FKDD).
CONTACT PERSON: Mr. Niebaum
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

FRATELLI DE VITA S.P.A.
Via Del Pontasso, 5, 16015 Casella (Genoa), Italy, Ph. 010-937856; TLX: 270536 (RODEVI I).
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

FRENCH OIL MILL MACHINERY COMPANY
1035 W. Greene St., Piqua, OH 45356, Ph. 513-773-3420; TLX: 288-009 (FRENCH PIQA); CABLE: FRENCH.
CONTACT PERSON: R. Kent Slaby
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

G

GANDY COMPANY
Box 528, Owatonna, MN 55060, Ph. 507-451-5430; TLX: 29-0777 (TOOLCO).
CONTACT PERSON: Harry Colvin, Ron Anderso, or Henry Roensch, Jr.
PRODUCTS UNDER: Farm Equip. & Supplies

GEBR. PASCHEDAG GmbH
Lennebrokstr. 18, P.O. Box 1363, Beckum, NRDW, Fed. Rep. of Germany 4720, Ph. 02521-2164; TLX: 89579.
CONTACT PERSON: Eduard Mesares
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

GETTY OIL COMPANY
P.O. Box 3000, Tulsa, OK 74102, Ph. 918-560-6192; TLX: 49-2405 (GETTY TUL).
CONTACT PERSON: Jim T. Watson
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

GLOBE ENGINEERING COMPANY
222 N. Dearborn St., Chicago, IL 60601, Ph. 312-431-6800.
CONTACT PERSON: Richard C. Powers
SERVICES UNDER: Commercial Services

GEO. W. GOOCH LABORATORIES, LTD.
1250 S. Boyle Ave., Los Angeles, CA 90023, Ph. 213-269-7421.
CONTACT PERSON: Robert M. Gilpin
SERVICES UNDER: Commercial Services

W.R. GRACE & CO.
100 North Main, Memphis, TN 38101, Ph. 901-522-2000.
CONTACT PERSON: B.L. Brown
PRODUCTS UNDER: Farm Equip. & Supplies

GRAIN INSTANT NEWS COMMODITY NEWS SERVICES, INC.
P.O. Box 6053, Leawood, KS 66206, Ph. 913-642-7373; TLX: 42585.
CONTACT PERSON: Chet Cousins
SERVICES UNDER: Commercial Services

GRAIN PROBE SALES & SERVICE
P.O. Box 378, Warrensburg, IL 62573, Ph. 217-672-3588.
CONTACT PERSON: Darrell or Thomas Hamilton
PRODUCTS UNDER: Commercial Equipment & Supplies

GREAT PLAINS BAG CORP.
2201 Beli Ave., Des Moines, IA 50315, Ph. 515-283-2041; Other locations: Jacksonville, AR; New Philadelphia, OH.
PRODUCTS UNDER: Commercial Equipment & Supplies

GREAT PLAINS MFG. INC.
Box 218, Assaria, KS 67416, Ph. 913-667-4755.
CONTACT PERSON: Eric Lund
PRODUCTS UNDER: Farm Equip. & Supplies

GRIEF BROS. CORP.
2750 W. 145th St., Rosemount, MN 55068, Ph. 612-423-2216.
CONTACT PERSON: Tom Dubbe
PRODUCTS UNDER: Commercial Equipment & Supplies

A. GUSMER, INC.
Ponndorf Maschinenfabrik GmbH, 27 North Ave. East, Cranford, NJ 07016, Ph. 201-272-9400; TLX: 139106 and 6853061 (GUSINCO).
CONTACT PERSON: Charles W. Tanner, VP Tech. Serv.
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

GUSTAFSON, INC.
17400 Dallas North Pkwy., Suite 220, Dallas, TX 75252-4493, Ph. 214-931-8899; TLX: 73-0957 (GUSTAFCO DAL).
CONTACT PERSON: T.G. Austin, VP Mktg.
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

H

H.L.S. LTD.
P.O. Box 193, Petah-Tikva, Israel, 49101,Ph. 3-927171; TLX: 341859 (ETZHL IL).
CONTACT PERSON: Carol Ruckenstein, Mgr. Dir.
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

HAGAN MFG. CO.
1598 Texas St., Memphis, TN 38106, Ph. 901-948-2683.
CONTACT PERSON: Edd Sullivan
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

HAGIE MANUFACTURING COMPANY
P.O. Box 273, Clarion, IA 50525, Ph. 515-532-2861.
CONTACT PERSON: Bernard E. Mattingly
PRODUCTS UNDER: Farm Equip. & Supplies

HAHN LABORATORIES
P.O. Box 1177, (1111 Flora St-29201), Columbia, SC 29202, Ph. 803-799-1614.
CONTACT PERSON: Edward R. Hahn
SERVICES UNDER: Commercial Services

HARSHAW CHEMICAL COMPANY
P.O. Box 22126, Beachwood, OH 44122, Ph. 216-464-5710; TLX: 196137 (VIA TRT).
CONTACT PERSON: R.C. Hastert
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

HART-CARTER COMPANY
1501 First Ave., Mendota, IL 61342, Ph. 815-539-9371; TWX: 910-642-3082 (HART CART MNDO).
CONTACT PERSON: Sheila Halbmaier, Sls. Office Asst.
PRODUCTS UNDER: Farm Equip. & Supplies

JACOB HARTZ SEED CO., INC.
Box 946, N. Park Ave., Stuttgart, AR 72160, Ph. 501-673-8565; TWX: 910-720-6244 (HARTZ SEED).
CONTACT PERSON: Dan Lamberth, Jim Craig, or Chris Hartz
SERVICES UNDER: Commercial Services

HAYES & STOLZ INDUSTRIAL MFG. CO., INC.
3521 Hemphill St., P.O. Box 11217, Fort Worth, TX 76109-0217, Ph. 817-926-3391; TLX: 792854 (HAYESSTOLZ FTW).
CONTACT PERSON: Vernon Hayes, Pres.
PRODUCTS UNDER: Commercial Equipment & Supplies

HELENA CHEMICAL CO.
5100 Poplar Ave., Suite 3200, Memphis, TN 38137, Ph. 901-761-0050.
CONTACT PERSON: Jesper Moeller
PRODUCTS & SERVICES UNDER: Farm Equipment & Supplies; Commercial Services

HENKEL CORPORATION
4620 W. 77th St., Minneapolis, MN 55435, Ph. 612-830-7810; TLX: 29-0472 (HENKEL MPS).
CONTACT PERSON: Robert Winters
SERVICES UNDER: Commercial Services

HONEYWELL PROCESS CONTROL DIVISION
1100 Virginia Dr., Fort Washington, PA 19034, Ph. 215-641-3000.
CONTACT PERSON: Charles Bernstein
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

HOUSTON PUBLIC GRAIN ELEVATOR
P.O. Box 2562, Houston, TX 77015, Ph. 713-672-8221.
CONTACT PERSON: W.E. Greer
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

HOWARD ROTAVATOR COMPANY, INC.
102 Howard Ave., P.O. Box 7, Muscoda, WI 53573, Ph. 608-739-3106; TLX: 26-5428.
CONTACT PERSON: Betty Plane
PRODUCTS UNDER: Farm Equip. & Supplies

HOWE RICHARDSON COMPANY
680 Van Houten Ave., Clifton, NJ 07015, Ph. 201-471-3400; TLX: 133446 (HOWERICH CLF).
CONTACT PERSON: Robert Westdyk
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

S. HOWES CO., INC.
Howard St., Silver Creek, NY 14136, Ph. 716-934-2611; TWX: 510-246-6935 (S HOWES SLCK).
CONTACT PERSON: Robert Marsh or Fred Sikorski
PRODUCTS & SERVICES UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies; Commercial Services

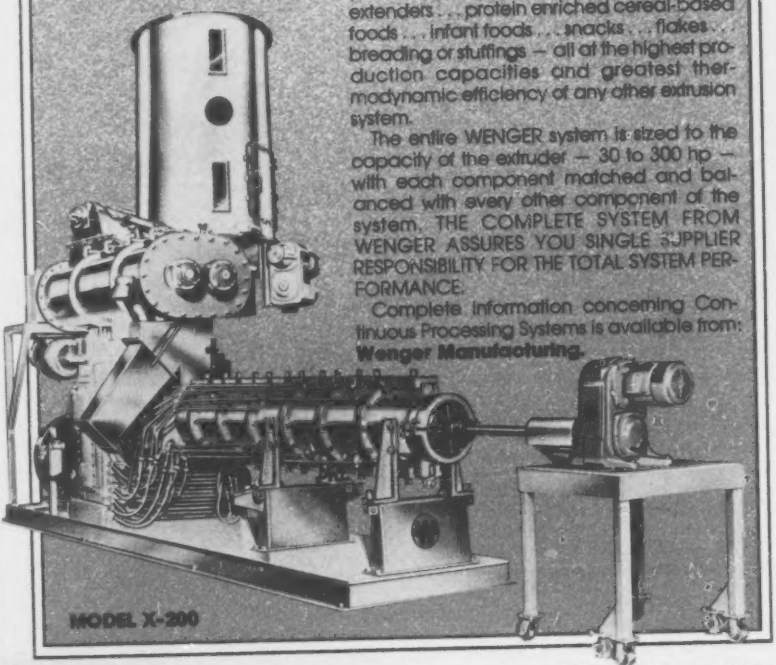
WENGER'S
FOOD MACHINES

Continuous Extrusion Cookers Can produce a whole range of profitable and industry proven Soy Products

Think about it: with one Wenger extruder you could produce textured soy protein meat extenders . . . protein enriched cereal-based foods . . . infant foods . . . snacks . . . flakes . . . breading or stuffings – all at the highest production capacities and greatest thermodynamic efficiency of any other extrusion system.

The entire WENGER system is sized to the capacity of the extruder – 30 to 300 hp – with each component matched and balanced with every other component of the system. THE COMPLETE SYSTEM FROM WENGER ASSURES YOU SINGLE SUPPLIER RESPONSIBILITY FOR THE TOTAL SYSTEM PERFORMANCE.

Complete information concerning Continuous Processing Systems is available from: **Wenger Manufacturing.**



Wenger Manufacturing - *Plant and General Offices*, Sabetha, Kansas 66534 tel. 913/284-2133

Wenger International, Inc. - *Export Division*, One Crown Center, Suite 510, 2400 Pershing Road, Kansas City, Missouri 64108, tel. 816/221-5084, Cable WENGERKCS, telex 42387

Wenger International - *Subsidiary Office*, Franklin Rooseveltplaats N. 12, Antwerpen, Belgium, tel. (31) 327005, telex 31413

J.M. HUBER CORP., CLAY DIVISION
Route 4 Huber, Macon, GA 31298, Ph. 912-745-4751; TLX: 54-4438 (JM HUBER HBR).
CONTACT PERSON: Gary C. Schultz
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

HUNTLEY MANUFACTURING CO. INC.
Peerless Rd., Brocton, NY 14716, Ph. 716-792-9134.
CONTACT PERSON: R.J. Buchholtz, Gen. Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

I

ICI AMERICAS INC., AGRICULTURAL CHEMICAL DIVISION
Wilmington, DE 19897, Ph. 302-575-3000.
CONTACT PERSON: Jerry Quinn
PRODUCTS UNDER: Farm Equip. & Supplies

ISTA MIELKE & CO.
Langenberg 23, P.O. Box 90 08 03, 2100 Hamburg 90, Fed. Rep. of Germany, Ph. 040 760 20 81; TLX: 2 177 89.
CONTACT PERSON: Siegfried Mielke, Editor, or Thomas Mielke, Assoc. Editor
SERVICES UNDER: Commercial Services

INDUSTRIAL COMMODITY CORP. & J. CARVEL LANGE INTERNATIONAL, INC.
122 E. 42nd St., New York, NY 10168, Ph. 212-697-0420, or 697-1262; TLX: 23 36 26 (LANGUR).
SERVICES UNDER: Commercial Services

INDUSTRIAL LABORATORIES
3001 Cullen St., Fort Worth, TX 76107, Ph. 817-332-2259.
CONTACT PERSON: Randy Cahoon or Don Strathdee
SERVICES UNDER: Commercial Services

INDUSTRY GENERAL CORPORATION
5384 Poplar, Suite 500, Memphis, TN 38117, Ph. 901-682-3314.
CONTACT PERSON: W.H. Davenport
SERVICES UNDER: Commercial Services

INGMAN LABORATORIES, INC.
324 4th Ave. S., Minneapolis, MN 55435, Ph. 612-333-6419.
CONTACT PERSON: Robert C. Ingman
SERVICES UNDER: Commercial Services

INTERNATIONAL FOUNDATION FOR AGRICULTURAL DEVELOPMENT
777 Craig Rd., Creve Coeur, MO 63141, Ph. 314-432-7464; TLX: 4312061 (USBEANS STL).
CONTACT PERSON: Gil Griffis
SERVICES UNDER: Commercial Services

INTERNATIONAL HARVESTER
401 N. Michigan Ave., Chicago, IL 60611, Ph. 312-836-2000.
CONTACT PERSON: J.K. Woodard
PRODUCTS UNDER: Farm Equip. & Supplies

INTERNATIONAL-MATEX TANK TERMINALS
321 St. Charles Ave., 9th Floor Suite, New Orleans, LA 70130, Ph. 504-586-8300; TLX: 58-4191; Terminal locations: Mobile, AL; Avondale, St. Rose, LA; Bangladesh, Karachi, Korea.
CONTACT PERSON: Thomas B. Coleman
SERVICES UNDER: Commercial Services

INTERSYSTEMS, INC.
13330 I St., Omaha, NE 68137, Ph. 402-330-1500 or 800-228-9257.
CONTACT PERSON: Ray Vrtiska
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

IOWA TESTING LABORATORIES, INC.
Highway 17 North, P.O. Box 188, Eagle Grove, IA 50533, Ph. 515-448-4741.
CONTACT PERSON: Jack W. Henry, Pres.
SERVICES UNDER: Commercial Services

CHARLES ISDALE & ASSOCIATES, INC.
Country Fair Box 3226, Champaign, IL 61820, Ph. 217-351-3117.
CONTACT PERSON: Charles E. Isdale, Sr.
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

ITALMECANICA INDUSTRIA E COMERCIO DE MAQUINAS E EQUIPAMENTOS LTDA.
Rua Divisa Nova, 42, Bairro Salgado Filho 30.000, Bela Horizonte, MG, Brazil, Ph. 031-312-1466; TLX: 0311765.
CONTACT PERSON: Alfio Russo
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

J

J.G. LIMITED, INC.
Box M, Plymouth, IN 46563, Ph. 219-936-2193.
CONTACT PERSON: John Gerald
SERVICES UNDER: Commercial Services

JACOBSON MACHINE WORKS
2445 Nevada Ave. N., Minneapolis, MN 55427, Ph. 612-544-8781; TLX: 29-0772 (JACOBSON GOVY).
PRODUCTS UNDER: Commercial Equipment & Supplies

JAG MANEK SOLVENT EXTRACTION PLANT
93-95 Kazi Syed St., Bombay 400 003, Bombay, India, Ph. 320541; TLX: 011 6111 (JAG IN), & 011 2721 (AHBN).
CONTACT PERSON: G.S. Sheth
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

JAHAM MANUFACTURING CO., INC.
P.O. Box 365, Warrensburg, IL 62573, Ph. 217-672-3588.
CONTACT PERSON: Thomas Hamilton, Pres.
PRODUCTS UNDER: Commercial Equipment & Supplies

JEFFREY MANUFACTURING DIVISION DRESSER INDUSTRIES
P.O. Box 3080, Greenville, SC 29602, Ph. 803-288-7324; TLX: 809495; TWX: 8106902671.
CONTACT PERSON: Jim Gibson, Mgr. Adv./PR
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

JENNINGS LABORATORIES INC.
1118 Cypress Ave., P.O. Box 851, Virginia Beach, VA 23451, Ph. 804-425-1498.
CONTACT PERSON: W.H. Jennings
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

JENSEN MILLS
Neola, IA 51559, Ph. 712-485-2115.
CONTACT PERSON: Al Kenealy
SERVICES UNDER: Commercial Services

K

KALO AGRICULTURAL CHEMICALS, INC.
4550 W. 109th St., Suite 222, Overland Park, KS 66211, Ph. 913-649-5525; TLX: 437177 (KALO OLPK).
CONTACT PERSON: Don Wilson
PRODUCTS UNDER: Farm Equip. & Supplies

PETER KALUSTIAN ASSOCIATES, INC.
239 Reserve St., Boonton, NJ 07005, Ph. 201-334-3008.
CONTACT PERSON: Peter Kalustian, Pres.
SERVICES UNDER: Commercial Services

KAPPELE, WRIGHT & MACLEOD LTD.
20 Queen St. West, Box No. 19, Toronto, Canada M5H 3R3, Ph. 416-593-1213; TLX: 06-219642 (KWM TOR); TWX: 610-491-2131 (KWM TOR).
CONTACT PERSON: T.E. Molyneux
SERVICES UNDER: Commercial Services

KICE METAL PRODUCTS CO. INC.
2040 S. Mead, Wichita, KS 67211, Ph. 316-267-4281.
CONTACT PERSON: Russell Kice, Pres.
PRODUCTS UNDER: Commercial Equipment & Supplies

KRUPP INDUSTRIE - UND STAHLBAU, WERK HARBURG
Seevestrasse/Bahnhofsinsel, 2100 Hamburg 90, Fed. Rep. of Germany, Ph. 040-77179-0; TLX: 217777 (HEBHD).
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

KUOK (Singapore) LTD.
15 Carpenter St., Singapore, Ph. 912711; TLX: 21774/21295 (KUOKS).
CONTACT PERSON: Kwok Kian Hai
PRODUCTS UNDER: Commercial Equipment & Supplies

KUSS CORPORATION
1331 Broad Ave., Findlay, OH 45840, Ph. 419-423-9040.
CONTACT PERSON: Harold France
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

L

LAKELAND ENGINEERING EQUIPMENT CO.
5735 Lindsay St., Minneapolis, MN 55422, Ph. 612-544-0321.
CONTACT PERSON: Thomas Moll
PRODUCTS UNDER: Commercial Equipment & Supplies

LANGSTON BAG CO., INC.
2714 Union Ave. Ext., Memphis, TN 38112, Ph. 901-454-1100; TWX: 810-591-1267.
CONTACT PERSON: M.L. Duffey, VP Sales
PRODUCTS UNDER: Commercial Equipment & Supplies

LAUCKS TESTING LABORATORIES INC.
940 South Harney St., Seattle, WA 98108, Ph. 206-622-0727.
CONTACT PERSON: Jim Owens
SERVICES UNDER: Commercial Services

LAW & CO.
1763 Montreal Circle, Tucker, GA 30084, Ph. 404-934-8200.
CONTACT PERSON: William W. McBee
SERVICES UNDER: Commercial Services

LEFFINGWELL DIVISION UNIROYAL CHEMICAL
111 S. Berry St., Brea, CA 92621, Ph. 714-529-3973.
CONTACT PERSON: John R. Strom
PRODUCTS UNDER: Farm Equip. & Supplies

J.E. LOVE COMPANY
303 California St., Garfield, WA 99130, Ph. 509-635-1321.
CONTACT PERSON: Steve Shoemaker
PRODUCTS UNDER: Farm Equip. & Supplies

LURGI UMWELT UND CHEMOTECHNIK GmbH
Gervinus-Strasse 17/19, 6000 Frankfurt/Main, Fed. Rep. of Germany, Ph. 0611-1573802; TLX: 412360 (LG D).
CONTACT PERSON: Georg Penk
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

LYKES BROS. STEAMSHIP CO., INC.
Poydras Plaza, 300 Poydras St., New Orleans, LA 70130, Ph. 504-523-6611.
CONTACT PERSON: Hughes D. Drumm or Ardley R. Hanemann
SERVICES UNDER: Commercial Services

M

MCC POWERS
2942 MacArthur Blvd., Northbrook, IL 60062, Ph. 312-272-9555.
CONTACT PERSON: Jim Leman
PRODUCTS UNDER: Commercial Equipment & Supplies

M.P. STATE COOPERATIVE OILSEED GROWERS' FEDERATION LTD.
E-3/50, Arera Colony, Bhopal-462014, Bhopal, Indi , Ph. 65413; TLX: 0705-248 (OILFED).
CONTACT PERSON: Moti Singh, Mgr. Dir.
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

M&W GEAR COMPANY
Rt. 47 S., Gibson City, IL 60936, Ph. 217-784-4261; TWX: 910-663-4310 (M&W GCY).
CONTACT PERSON: John Smith
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

MARTIN ENGINEERING COMPANY
404 W. 1st, Neponset, IL 61345, Ph. 309-594-2384; TWX: 510-390-5694 (MARTIN ENGNEPO).
CONTACT PERSON: Barry Brown, Customer Service Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

MASIERO INDUSTRIAL S/A
Rua Sebastiao Ribeiro No. 844, P.O. Box 218, Jahu, Sao Paulo, Brasil, 17.200, Ph. 0146-22-5666; TLX: 0142-220.
CONTACT PERSON: Jose Israel Maziero
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

MASSEY-FERGUSON
1901 Bell Ave., Des Moines, IA 50315, Ph. 515-247-2011; TLX: 478413 (MASFERG DMS A).
PRODUCTS UNDER: Farm Equip. & Supplies

MATHEWS CO.
500 Industrial Ave., Crystal Lake, IL 60014, Ph. 815-459-2210; TLX: 722-488.
CONTACT PERSON: Phil Farr
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

MAYRATH INDUSTRIES, INC.
U.S. Hwy. 51 North, Compton, IL 61318, Ph. 815-497-3311.
CONTACT PERSON: Karen Menzel
PRODUCTS UNDER: Farm Equip. & Supplies

DAVY McKEE CORPORATION
10 S. Riverside Plaza, Chicago, IL 60606, Ph. 312-454-3804; TLX: 254562 (DAVMCKEE CGO).
CONTACT PERSON: C.K. Dietz, Mgr. Food & Pharm. Sales
SERVICES UNDER: Commercial Services

MEIJI MILK PRODUCTS CO., LTD.
2-3-6, Kyobashi, Chuo-Ku, Tokyo, Japan 104, Ph. 03-274-5198; TLX: 222-2404 (MEINYUJ).
CONTACT PERSON: Sumio Yoshikawa, Development Planning Office Mgr.
SERVICES UNDER: Commercial Services

METAL PRODUCTS INTERNATIONAL, INC.
P.O. Box 1524, 2 Sound View Dr., Greenwich, CT 06830, Ph. 203-661-4397; TLX: 643-682 (O&S GRC).
CONTACT PERSON: Hans-Hermann Klein
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

MID-AMERICA PRODUCTS, INC.
P.O. Box 147, Taylorville, IL 62568, Ph. 217-824-9671.
CONTACT PERSON: Howard Maxwell, Sls. Mgr.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

MIDWEST OILSEEDS, INC.
Route 3, Box 204, Adel, IA 50003, Ph. 515-677-2605.
CONTACT PERSON: Harry H. Stine
SERVICES UNDER: Commercial Services

MIDWEST SOYA INTERNATIONAL, INC.
814 N. 5th, Box 537, Clear Lake, IA 50428, Ph. 515-357-6131.
CONTACT PERSON: Kim Pleggenkuhle, Mgr.
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

MIKO INC.
8240 Indy Ln., Indianapolis, IN 46224, Ph. 317-271-3347.
CONTACT PERSON: Jeffrey L. Schwarz, Pres. Ag. Prod. Div.
PRODUCTS & SERVICES UNDER: Farm Equipment & Supplies; Commercial Services

MIKROPUL CORPORATION
10 Chatham Rd., Summit, NJ 07901, Ph. 201-273-6360; TLX: 13-8157 (MIKROPUL SUMT).
CONTACT PERSON: Penelope Leighton
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

MINERAL RESEARCH & DEVELOPMENT CORP.
4 Woodlawn Green, Suite 232, Charlotte, NC 28210, Ph. 704-525-2771.
CONTACT PERSON: Grady Brafford
PRODUCTS UNDER: Farm Equip. & Supplies

MIXING EQUIPMENT CO., INC.
UNIT OF GENERAL SIGNAL
135 Mt. Read Blvd., P.O. Box 1370, Rochester, NY 14603, Ph. 716-436-5550; TLX: 97-8244 (MIX-CO ROC).
CONTACT PERSON: C.R. Morgan
PRODUCTS UNDER: Commercial Equipment & Supplies

MOBAY CHEMICAL CORPORATION
Agricultural Chemicals Division, P.O. Box 4913, Hawthorn Rd., Kansas City, MO 64120, Ph. 816-242-2000; TLX: 434784 (MOBAY MKT KSC).
CONTACT PERSON: K.K. Kuechmann
PRODUCTS UNDER: Farm Equip. & Supplies

MODERN PROCESS EQUIPMENT INC.
3150 S. Kolin, Chicago, IL 60623, Ph. 312-254-3929.
CONTACT PERSON: Daniel Ephraim
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

MONSANTO
AGRICULTURAL PRODUCTS COMPANY
800 N. Lindbergh Blvd., St. Louis, MO 63167, Ph. 314-694-1000; TLX: 44-7282; TWX: 910-763-0779.
CONTACT PERSON: Customer Inquiry Center
PRODUCTS UNDER: Farm Equip. & Supplies

N. HUNT MOORE & ASSOC., INC.
3951 Senator St., Memphis, TN 38118, Ph. 901-362-3267; TLX: 53890 (HUNTMOORE MFS).
CONTACT PERSON: Jack G. Moore, VP
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

MOORHEAD MACHINERY
AND BOILER COMPANY
3477 University Ave. N.E., Minneapolis, MN 55418, Ph. 612-789-3541.
CONTACT PERSON: Jon Schmoeckel, VP Eng.
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

MORNING STAR LABS, INC.
4480 Pacific Blvd., Vernon, CA 90058, Ph. 213-582-0981.
CONTACT PERSON: Sally Dietrick
SERVICES UNDER: Commercial Services

MOTOMCO, INC.
267 Vreeland Ave., P.O. Box 300, Paterson, NJ 07543, Ph. 201-345-6200.
CONTACT PERSON: Tony Abbate or Tom Saley
PRODUCTS UNDER: Commercial Equipment & Supplies

MULTILIFT, INC.
2000 South Cherokee St., Denver, CO 80223, Ph. 303-733-5533.
CONTACT PERSON: William D. Snare, Pres.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

MUSKOGEE IRON WORKS, INC.
P.O. Box 188, Muskogee, OK 74402, Ph. 918-682-5521.
CONTACT PERSON: L.J. Seely
PRODUCTS UNDER: Commercial Equipment & Supplies

MYERS ENGINEERS
P.O. Box 1493, Decatur, IL 62525, Ph. 217-429-2704.
CONTACT PERSON: Noel W. Myers
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

N

NADUSTCO, INC.
1641 Poland Ave., P.O. Box 3445, New Orleans, LA 70177, Ph. 504-949-8373 or 800-535-2670.
CONTACT PERSON: Walter Godchaux, Jr.
PRODUCTS UNDER: Commercial Equipment & Supplies

NAVIMPEX SARL
129 Rue de Paris, 94220 Charenton Le Pont, France, Ph. 1-368-45-96; TLX: 211934 (NAVIM-PX).
CONTACT PERSON: Didier Bougeard
SERVICES UNDER: Commercial Services

ENGINEERS

KAPPELE
WRIGHT
MACLEOD
LTD / INC

PROJECT MANAGEMENT
INDUSTRIAL PROJECTS
PROCESS DESIGN
EQUIPMENT LAYOUTS

ENGINEERING PLANNING
CIVIL STRUCTURAL
MECHANICAL ELECTRICAL
INSTRUMENTATION

20 QUEEN STREET WEST
BOX No. 19
TORONTO M5H 3R3
PHONE (416) 593-1213
TELEX 06-219642
TWX 610-491-2131

NEUMUNZ INC.
117 Ft. Lee Rd., Leonia, NJ 07605, Ph. 201-592-0980; TLX: 135 170 (LEON).
CONTACT PERSON: George M. Neumunz
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

NEW JERSEY FEED LABORATORY, INC.
910 Pennsylvania Ave., Trenton, NJ 08638, Ph. 609-392-8818; TWX: 510-681-8425 (NJFEEDLAB TRN).
CONTACT PERSON: Carl W. Schulze, Pres.
SERVICES UNDER: Commercial Services

NEWELL MACHINERY CO., INC.
5501 North Towne Place N.E., Cedar Rapids, IA 52402, Ph. 319-393-1610.
CONTACT PERSON: Jon W. Janda or Jack Andersen
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

NEWPORT INSTRUMENTS LTD.
Milton Keynes, Buckinghamshire, England, Ph. 0908/613691; TLX: 825835 (NEW PIN).
CONTACT PERSON: R.F. Bailey
PRODUCTS UNDER: Commercial Equipment & Supplies

THE NITRAGIN COMPANY, INC.
1217 Ewing Ave., Clearwater, FL 33516, Ph. 813-461-6913; TWX: 810-866-0887.
CONTACT PERSON: Michael T. Butler
PRODUCTS UNDER: Farm Equip. & Supplies

NOBLE DIVISION, LEAR SIEGLER, INC.
515 N. 16th St., Sac City, IA 50583, Ph. 712-662-4731.
CONTACT PERSON: John Engelmann, VP Sls.
PRODUCTS UNDER: Farm Equip. & Supplies

NORTH AMERICAN LABORATORY, INC.
1717 W. 10th St., Indianapolis, IN 46222, Ph. 317-635-9500.
CONTACT PERSON: Kamal Hydee, Dir. Mktg.
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

NORTH AMERICAN PLANT BREEDERS
5201 Johnson Dr., Suite 520, Mission, KS 66205, Ph. 913-384-4940; TWX: 910-743-4160 (NAPB MISSION).
CONTACT PERSON: Ted Axland, Prod. Dir.
SERVICES UNDER: Commercial Services

NORTHRUP KING CO.
P.O. Box 959, Minneapolis, MN 55440, Ph. 612-781-8011; TLX: 29-0143; TWX: 910-576-3420.
CONTACT PERSON: John Edlin, Prod. Mgr.
SERVICES UNDER: Commercial Services

O

OCCIDENTAL CHEMICAL COMPANY
P.O. Box 5337, Houston, TX 77012, Ph. 713-477-8811.
CONTACT PERSON: Jesse P. Wilson
PRODUCTS UNDER: Farm Equip. & Supplies

OIL-DRI CORPORATION OF AMERICA
520 N. Michigan Ave., Chicago, IL 60611, Ph. 312-321-1515 or 800-621-7191; TWX: 910-221-5280.
CONTACT PERSON: Mark Johnson, Sales Mgr.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

OLEAGINOSAS ESPANOLAS, S.A. (OESA)
Nunez de Balboa, 108, Madrid-6, Spain, Ph. 34-1-411-46-13 or 411-01-47; TLX: 45.302 & 46.918 (OLEA E).
CONTACT PERSON: Juan Zamorano
SERVICES UNDER: Commercial Services

OLIN CORP.
Box 991, Little Rock, AR 72203, Ph. 501-378-3726; TWX: 910 722-7371 (OLIN LRK).
CONTACT PERSON: D.H. Sparks
PRODUCTS UNDER: Farm Equip. & Supplies

OLIVER MANUFACTURING COMPANY
P.O. Box 512, Rocky Ford, CO 81067, Ph. 303-254-7814.
CONTACT PERSON: William J. Donnell
PRODUCTS & SERVICES UNDER: Commercial and Farm Equipment & Supplies; Commercial Services

OXFORD ANALYTICAL INSTRUMENTS LIMITED
Sandy Lane West, Littlemore, Oxford OX4 5JX, England, Ph. 0865-770361; TLX: 83358 (OAINST).
CONTACT PERSON: Raymond F. Bailey
PRODUCTS UNDER: Commercial Equipment & Supplies

OXFORD INSTRUMENTS NORTH AMERICA, INC.
3 New England Executive Park, Burlington, MA 01803, Ph. 617-229-6500; TLX: 951352 (OXINST BURL).
PRODUCTS UNDER: Commercial Equipment & Supplies

P

POS PILOT PLANT CORPORATION
U of S Campus, Saskatoon, Saskatchewan, Canada S7N 2R4, Ph. 306-665-7791; TLX: 074-2882 (POS SKN).
CONTACT PERSON: Dr. Dennis Jones
SERVICES UNDER: Commercial Services

PPG INDUSTRIES, INC.
One Gateway Center, Pittsburgh, PA 15222, Ph. 412-434-3873.
CONTACT PERSON: Tom Zinninger
PRODUCTS UNDER: Farm Equip. & Supplies

PSI PROCESS SYSTEMS, INC.
4466 Elvis Presley Blvd., Suite 300, Memphis, TN 38116, Ph. 901-345-8760; TLX: 810-591-1122 (PSI MFS).

CONTACT PERSON: Philip Bollheimer
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

PT COMPONENTS, INC.,
7545 Rockville Rd., Indianapolis, IN 46206, Ph. 317-241-9201.
CONTACT PERSON: P.R. Olmstead
PRODUCTS UNDER: Commercial Equipment & Supplies

PACIFIC SCIENTIFIC, GARDNER/NEOTEC INSTRUMENT DIV.
2431 Linden Ln., Silver Spring, MD 20910, Ph. 301-495-7000 or 800-638-2790; TLX: 908161 (PACSCI); TWX: 710 825 9766 (PAC SCISUR).
CONTACT PERSON: Judy Beier
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

PAN AMERICAN LABORATORIES, INC.
5369 E. 14th St., Brownsville, TX 78521, Ph. 512-831-4266.
CONTACT PERSON: John G. Lipps Jr.
SERVICES UNDER: Commercial Services

THE PARTLOW COPORATION
Campion Road, New Hartford, NY 13413, Ph. 315-797-2222; TLX: 93-7428.
CONTACT PERSON: William White, Comm. Mgr.
PRODUCTS UNDER: Farm Equip. & Supplies

PATTISON'S LABORATORIES, INC.
211 E. Monroe, P.O. Box 346, Harlingen, TX 78550, Ph. 512-423-3196.
CONTACT PERSON: Patricia A. Buttery
SERVICES UNDER: Commercial Services

PENNWALT INDIA LIMITED
507, KaKad Chambers, Dr. A.B. Rd., Worli, Bombay 400 018, India, Ph. 372702, 391267, 891496 & 891255; TLX: 011-2091 (PENN IN).
CONTACT PERSON: S.D. Kashyap or L.R. Malik
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

PHELPS INDUSTRIES, INC.
P.O. Box 1093, 1170 E. 9th St., Little Rock, AR 72203, Ph. 501-375-1141.
CONTACT PERSON: Charles Peterson
PRODUCTS UNDER: Commercial Equipment & Supplies

PHILLIPS CHEMICAL COMPANY
Bridgestone I, 2600 N. Loop West, Houston, TX 77092, Ph. 713-682-6066; TWX: 910-881-5081.
CONTACT PERSON: W.R. Pullin
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

PIONEER HI-BRED INTERNATIONAL, INC.
Plant Breeding Div.-Soybean Breeding Dept., 1906 State, Box 854, Cedar Falls, IA 50613, Ph. 319-277-1733.
CONTACT PERSON: Dr. Clark Jennings
SERVICES UNDER: Commercial Services

MSI

EXPORTING
QUALITY SOYBEANS
ASK FOR
"MSI QUALITY"

MIDWEST SOYA INTERNATIONAL, INC.

814 North 5th
Clear Lake, Iowa 50428

TEL. (515) 357-6131
TELEX 439080

RELIABLE SUPPLIERS OF RECLEANED VARIETAL PURE SOYBEANS FOR THE SOYFOODS INDUSTRY WORLDWIDE. CONTACT MSI FOR QUOTATIONS ON FOB, C AND F OR CIF BASIS, BAGGED OR IN BULK.

KIM F. PLEGGENKUHLE
MANAGER

PONNDORF MASCHINENFABRIK GmbH
Leipziger Strasse 374, P.O. Box 10-28-60, 3500 Kassel, Fed. Rep. of Germany, Ph. 561-51141; TLX: 99760.
CONTACT PERSON: Peter Boll
PRODUCTS UNDER: Commercial Equipment & Supplies

POPE TESTING LABORATORIES INC.
P.O. Box 903, Dallas, TX 75221, Ph. 214-742-8491.
CONTACT PERSON: Leon Hunter
SERVICES UNDER: Commercial Services

PORT OF HOUSTON AUTHORITY
P.O. Box 2562, Houston, TX 77001, Ph. 713-225-0671; TWX: 910-881-5787.
CONTACT PERSON: J.R. Curtis, Dir. Port Oper.
SERVICES UNDER: Commercial Services

PORT OF LAKE CHARLES
P.O. Box AAA, Lake Charles, LA 70602, Ph.318-439-3661; TLX: 502449 (PORT LKCHAS LKC).
CONTACT PERSON: Louis Mosca
SERVICES UNDER: Commercial Services

PORT OF NEW ORLEANS
P.O. Box 60046, New Orleans, LA 70160, Ph. 504-522-2551; TLX: 58-7496.
CONTACT PERSON: Morris Clyde, Serv. Mgr.
SERVICES UNDER: Commercial Services

PORTABLE ELEVATOR DIVISION
920 E. Grove, Bloomington, IL 61701, Ph. 309-829-1235.
CONTACT PERSON: Art Mier
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

POWER TRANSMISSION DIVISION
400 W. Wilson Bridge Rd., Worthington, OH 43085, Ph. 614-438-3384; TLX: 24-5323; TWX: 810/337-2070.
CONTACT PERSON: Dianne M. Day
PRODUCTS UNDER: Commercial Equipment & Supplies

PRATER INDUSTRIES, INC.
1515 S. 55th Ct., Chicago, IL 60650, Ph. 312-656-8500; TLX: 28-4312 (PRATER CO CRO).
CONTACT PERSON: G.R. Thomas, Exec. VP
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

PRECISION ROLL GRINDERS, INC.
Route 2, Box 628B, Wescosville, PA 18106, Ph. 215-395-6966.
CONTACT PERSON: Terry Frick
SERVICES UNDER: Commercial Services

PROCESS MECHANICAL, INC.
P.O. Box 33331, Coon Rapids, MN 55433, Ph. 612-755-1882.
CONTACT PERSON: Stephen R. Kopetz
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

PROFORM INC.
7901 Xerxes Ave. S., Minneapolis, MN 55431, Ph. 612-887-1800.
CONTACT PERSON: Jim Stewart
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

PROSEED INC.
236 Sugar St., Blissfield, MI 49228, Ph. 517-486-3520; TLX: 229-440 (MICHAGRI).
CONTACT PERSON: Ronald M. Jacob
SERVICES UNDER: Commercial Services

PULLMAN LEASING COMPANY
200 S. Michigan Ave., Chicago, IL 60604, Ph. 312-322-7070.
CONTACT PERSON: R.E. Doyle, Dir. Mktg.
SERVICES UNDER: Commercial Services

PULVERIZING MACHINERY DIV. OF MIKROPUL CORPORATION
10 Chatham Road, Summit, NJ 07901, Ph. 201-273-6360; TLX: 13-8157.
CONTACT PERSON: Lewis Reimer
PRODUCTS UNDER: Commercial Equipment & Supplies

Q

QUALITY CONTROL EQUIPMENT CO.
1916 Dean Ave., Des Moines, IA 50316, Ph. 515-266-2268.
CONTACT PERSON: Stan Lester
PRODUCTS UNDER: Commercial Equipment & Supplies

QUONG HOP & CO.
161 Beacon St., South San Francisco, CA 94080, Ph. 415-873-4444.
CONTACT PERSON: S. Lee or J. Miller
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

QUONSET
P.O. Box 40529, Houston, TX 77040, Ph. 713-466-2350.
CONTACT PERSON: Joe Haller
PRODUCTS UNDER: Commercial Equipment & Supplies

R

J. RAKOSKY SERVICES, INC.
5836 Crain St., Morton Grove, IL 60053, Ph. 312-966-7660.
CONTACT PERSON: Dr. Joseph Rakosky
PRODUCTS UNDER: Commercial Services

C.W. RANDELL INC.
Box 865, Cedar Falls, IA 50613, Ph. 319-277-6121; TLX: 465642 (RANDELL CFLS).

CONTACT PERSON: Wes Randell
PRODUCTS & SERVICES UNDER: Commercial and Farm Equipment & Supplies; Commercial Services

RECHLIN & BULLERJAHN PRODUTOS AGRICOLAS LTDA.
Av. Nove de Julho, 5966-8°-81, 01406, Sao Paulo, Brazil, Ph. 852-0102, 852-9701, 280-4813; TLX: (011) 24418 (SUDX BR).
CONTACT PERSON: Paulo E.R. da Silva
SERVICES UNDER: Commercial Services

REUTERS, LTD.
2 Wall St., New York, NY 10005, Ph. 212-732-2400; Other locations: Ft. Lauderdale, FL, Ph. 305-467-1107; Chicago, IL, Ph. 312-427-0793; Kansas City, MO, Ph. 816-561-4766; Dallas, TX, Ph. 214-661-2645; San Francisco, CA, Ph. 415-788-4414; Los Angeles, CA, Ph. 213-680-4800; Houston, TX, Ph. 713-659-2470.
CONTACT PERSON: Bill O'Shea
SERVICES UNDER: Commercial Services

REVERE CORPORATION OF AMERICA
845 N. Colony Rd., Wallingford, CT 06492, Ph. 203-269-7701; TLX: 963482; TWX: 710-4763197.
CONTACT PERSON: John Robinson
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

RHINO SALES CORPORATION
620 Andrews Ave., P.O. Box 367, Kewanee, IL 61443, Ph. 309-853-4461.
CONTACT PERSON: Robert Martin, VP Mktg.
PRODUCTS UNDER: Commercial Equipment & Supplies

RHONE-POULENC INC.
P.O. Box 125, Black Horse Lane, Monmouth Junction, NJ 08852, Ph. 201-297-0100.
CONTACT PERSON: Irwin Fishkin
PRODUCTS UNDER: Farm Equip. & Supplies

W.L. RICHESON & SONS, INC.
442 Canal St., New Orleans, LA 70130, Ph. 504-529-5641; TLX: 58256 (RICHESON NLN); TWX: 810-951-6318 (RICHESON NO).
CONTACT PERSON: J.R. Surgi, Treas.
SERVICES UNDER: Commercial Services

DENNIS E. ROBY & ASSOCIATES INC.
1900 E. Eldorado, P.O. Box 1425, Decatur, IL 62525, Ph. 217-429-4412.
CONTACT PERSON: Bryan Mikeworth, Gen. Mgr.
PRODUCTS & SERVICES UNDER: Commercial Equipment & Supplies; Commercial Services

GEORGE A. ROLFES COMPANY
P.O. Box 458, Boone, IA 50036, Ph. 515-432-3300; TWX: 910-520-2431 (GEO ROLFS BNOE).
CONTACT PERSON: Walt Jensen, VP Mktg.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

SHW

Chilled Iron Flaking and Cracking Rolls

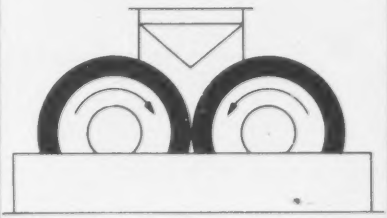
are manufactured in all sizes and executions.

Guaranteed surface hardness from 68 to 72 Shore Scleroscope „C".

NEW

Nickel — Chromium — Molybdenum — alloyed Rolls for improved wear resistance — lower maintenance costs and higher service life — surface hardness of 72-76 Shore „C".

Make use of SHW know-how.



SHW
SHW-GmbH Werk Königsbronn
D-7923 Königsbronn
Telefon (07328) 5015
Telex 07 14 801
Telegramm SHW Königsbronn

North American Representative
Metal Products International, Inc.

P.O. Box 1524
Greenwich, Connecticut 06836
Telex: 643-289 MPI GRC
Telephone: (203) 661-4397

JULIUS VAN ROOSENDAAL
B.V. Comissiehandel v/h JULIUS VAN ROOSENDAAL, Jacob van Campenweg 57, Rotterdam, Netherlands, Ph. 010-205955; TLX: 21496/21498/22402/22403 (JVR NL).
SERVICES UNDER: Commercial Services

ROSKAMP MFG., INC.
616 Grand Blvd., Cedar Falls, IA 50613, Ph. 319-266-1792.
CONTACT PERSON: Harold Roskamp, Pres.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

ROTEX INC.
1230 Knowlton St., Cincinnati, OH 45223, Ph. 513-541-1236; TLX: 21-4206 (ROTEX CIN).
CONTACT PERSON: Alex C. Young, VP Mktg.
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

RUFF'S SEED FARMS
3870 Ruff Rd., Amanda, OH 43102, Ph. 614-969-2600.
CONTACT PERSON: Herbert N. Ruff
SERVICES UNDER: Commercial Services

RUST ENGINEERING CO.
P.O. Box 101, Birmingham, AL 35201, Ph. 205-254-4141; TLX: 59-6158 (RUST ENGRG BHM).
CONTACT PERSON: Frank Dudrow, Mgr. Fatty Acids & Oils
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

S

SGS CONTROL SERVICES INC.
42 Broadway, New York, NY 10004, Ph. 212-482-8700; TLX: 640308 (SUPERCO), foreign TLX: WUI 620771.
CONTACT PERSON: Norman Green or Bruce Palmer
SERVICES UNDER: Commercial Services

SANDOZ, INC.
480 Camino del Rio S., San Diego, CA 92108, Ph. 619-298-4343.
CONTACT PERSON: Ruedi Maag, Dir. Mktg.
PRODUCTS UNDER: Farm Equip. & Supplies

SCANDURA INC.
1801 N. Tryon St., Charlotte, NC 28230, Ph. 704-334-5353.
CONTACT PERSON: Jim Gann, Mktg. Mgr.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

SCREW CONVEYOR CORP.
700 Hoffman St., Hammond, IN 46327, Ph. 219-931-1450; TLX: 276218 (SCREW CONV).
CONTACT PERSON: George Moore, Sales Mgr.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

SEEDBURO EQUIP. CO.
1022 W. Jackson Blvd., Chicago, IL 60607, Ph. 312-738-3700; TLX: 270378 (SEEDBURO CUO).
CONTACT PERSON: J.T. Snader
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

SEEDMAKERS, INC.
Princeville, IL 61559, Ph. 309-385-4832.
CONTACT PERSON: Dana Stewart, Pres.
SERVICES UNDER: Commercial Services

SHANNON TRACTOR COMPANY, INC.
Highway 3 Bypass, P.O. Box 808, Yazoo City, MS 39194, Ph. 601-746-4063.
CONTACT PERSON: J.C. Shannon
PRODUCTS UNDER: Farm Equip. & Supplies

SHELL CHEMICAL COMPANY
Agricultural Chemicals, P.O. Box 3871, Houston, TX 77002, Ph. 713-241-0075; TLX: 713-241-4042.
CONTACT PERSON: W.S. Gill, Sr. Adv. Rep.
PRODUCTS UNDER: Farm Equip. & Supplies

SHIPCO INC.
624 Gravier St., New Orleans, LA 70130, Ph. 504-581-1463; Other location: Houston, TX.
CONTACT PERSON: Merlin Paddock
SERVICES UNDER: Commercial Services

SIEGLING AMERICA INC.
130 Coolidge Ave., Englewood, NJ 07631, Ph. 201-567-6100.
CONTACT PERSON: Fred Koenig
PRODUCTS UNDER: Commercial Equipment & Supplies

SIMON-ROSEDOWNS LTD.
Cannon St., Hull, North Humberside HU2 0AD, United Kingdom, Ph 0482-29864, from USA, 01144-482-29864; TLX: 52226 (SR HULL G).
CONTACT PERSON: S. Smith, Pub. Mgr.
PRODUCTS & SERVICES UNDER: Farm and Soy Product Processing Equipment & Supplies; Commercial Services

SMICO MANUFACTURING CORPORATION
500 N. MacArthur Blvd., Oklahoma City, OK 73127, Ph. 405-946-1461.
CONTACT PERSON: Ronald Watson, Gen. Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

SMITH-DOUGLASS, INC.
P.O. Box 419, Norfolk, VA 23501, Ph. 804-853-1271.
CONTACT PERSON: Bernard Kornegay
PRODUCTS UNDER: Farm Equip. & Supplies

SOUTHLAND OIL TERMINAL COMPANY
P.O. Box 7390, Savannah, GA 31408, Ph. 912-964-1811; TWX: 810-894-5659 (SOCSAV).

CONTACT PERSON: C. David Baker
SERVICES UNDER: Commercial Equipment & Supplies

SOUTHWELL LABORATORY
1838 S.W. 13th St., P.O. Box 25001, Oklahoma City, OK 73125. Ph. 405-232-1966 or 239-7979.
CONTACT PERSON: Joseph R. Southwell
SERVICES UNDER: Commercial Services

SOUTHWESTERN LABORATORIES
P.O. Box 1379, Fort Worth, TX 76101, Ph. 817-332-5181.
CONTACT PERSON: Shellee Hubbard
SERVICES UNDER: Commercial Services

SOYA TECHNOLOGY SYSTEMS LIMITED
11 Dhoby Ghaut, 12-04 Cathay Building, Mt. Sophia, Singapore, 0922, Ph. 338-6259; TLX: RS 25299 (DTKEY).
CONTACT PERSON: A. Lindner
SERVICES UNDER: Commercial Services

SOYBEAN RESEARCH FOUNDATION, INC.
115 N. Perry, Mason City, IL 62664, Ph. 217-482-3219.
CONTACT PERSON: Dr. Arnold L. Matson
SERVICES UNDER: Commercial Services

THE SOYFOODS CENTER
P.O. Box 234, Lafayette, CA 94549, Ph. 415-283-2991.
CONTACT PERSON: Bill Shurtleff, Director
SERVICES UNDER: Commercial Services

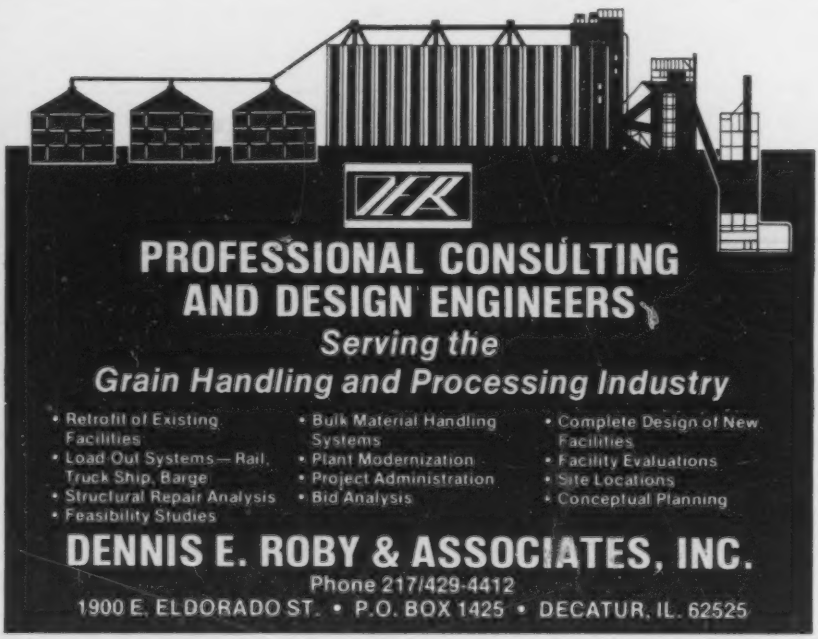
SOYPRO INTERNATIONAL, INC.
314 Main St., Cedar Falls, IA 50613, Ph. 319-277-4700; TLX: 465-653 (SOYP ROSK CFLS).
CONTACT PERSON: R.W. Fischer
SERVICES UNDER: Commercial Services

SPEED KING MFG. CO., INC.
P.O. Box 1438, Dodge City, KS 67801, Ph. 316-227-7106.
CONTACT PERSON: Leon Wilson
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

SPERRY NEW HOLLAND
500 Diller Ave., New Holland, PA 17557, Ph. 717-354-1261; TLX: 84-8426.
CONTACT PERSON: Mark Branstetter, Public Affairs Mgr.
PRODUCTS UNDER: Farm Equip. & Supplies

SPROUT-WALDRON DIVISION KOPPERS COMPANY, INC.
Muncy, PA 17756, Ph. 717-546-8211; TLX: 841411.
CONTACT PERSON: John P.Campbell
PRODUCTS & SERVICES UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies; Commercial Services

STAR SYSTEMS FILTRATION DIVISION
101 Kershaw Street, P.O. Box 518, Timmonsville, SC 29161, Ph. 803-346-3101 or 800-845-5381; TWX: 810-680-2531 (STAR SYS FLR).


PROFESSIONAL CONSULTING
AND DESIGN ENGINEERS
Serving the
Grain Handling and Processing Industry
• Retrofit of Existing Facilities
• Load Out Systems—Rail, Truck Ship, Barge
• Structural Repair Analysis
• Feasibility Studies
• Bulk Material Handling Systems
• Plant Modernization
• Project Administration
• Bid Analysis
• Complete Design of New Facilities
• Facility Evaluations
• Site Locations
• Conceptual Planning
DENNIS E. ROBY & ASSOCIATES, INC.
Phone 217/429-4412
1900 E. ELDORADO ST. • P.O. BOX 1425 • DECATUR, IL. 62525

CONTACT PERSON: Nat Burns, Pres.
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

STAUFFER CHEMICAL COMPANY
Westport, CT 06880, Ph. 203-222-3000; Other locations: Houston, TX 77001, Ph. 713-683-3315.
PRODUCTS UNDER: Farm Equip. & Supplies

STEMMERICH, INC.
4728 Gravois, St. Louis, MO 63116, Ph. 800-325-9528.
CONTACT PERSON: Rick LaGrotta
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

STEWART HYBRIDS, INC.
R.R. 1, Princeville, IL 61559, Ph. 309-385-4832.
CONTACT PERSON: Dana Stewart or Marian Ness
PRODUCTS & SERVICES UNDER: Farm Equipment & Supplies; Commercial Services

STRAIGHT ENGINEERING COMPANY
1700 West Green, P.O. Box 176, Adel, IA 50003, Ph. 515-993-4271.
CONTACT PERSON: Lyle A. Hansen, Pres.
PRODUCTS UNDER: Commercial Equipment & Supplies

SUED-CHEMIE A.G.
Postfach 20 22 40, 8000 Munchen 2, Fed. Rep. of Germany, Ph. 089/5110-0; TLX: 5 23 821 and 5 23 872.
CONTACT PERSON: Advertising Dept.
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

SULLIVAN SYSTEMS INC.
900 Larkspur Landing Circle, Suite 100, Larkspur, CA 94939, Ph. 415-461-7880; TLX: 330467 (SSI LARK).
CONTACT PERSON: Wayne F. Patterson
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

SUPERIOR WELDING COMPANY
900 E. Division St., Box 949, Decatur, IL 62525-0949, Ph. 217-422-4333; TLX: 250-135 (SUPWELD DTR).
CONTACT PERSON: Robert Osborne, VP
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

SWECO, INC.
6033 E. Bandini Blvd., Los Angeles, CA 90051, Ph. 213-726-1177; TLX: 67-4968 (SWECOLA).
CONTACT PERSON: Robert W. Kenagy
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

SWEET MANUFACTURING COMPANY
200 E. Leffel Lane, P.O. Box 1086, Springfield, OH 45505, Ph. 513-325-1511; TLX: 205428 (SWEET SPI).
CONTACT PERSON: Sheldon Baer
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

T

TARALAN CORPORATION
1250 Executive Place, Suite 404, Geneva, IL 60134, Ph. 312-232-8175.
CONTACT PERSON: Oliver Friedlein, VP Mktg.
SERVICES UNDER: Commercial Services

TECATOR INC.
P.O. Box 405, Herndon, VA 22070, Ph. 703-435-3300; TLX: 90-3034 (TEC HNDN).
CONTACT PERSON: Dieter Curlis
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

TECHNICON INDUSTRIAL SYSTEMS
511 Benedict Avenue, Tarrytown, NY 10591, Ph. 914-631-8000; TWX: 710-567-1220.
CONTACT PERSON: William Bell, Mktg. Mgr.
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

TENCO HYDRO INC.
5220 East Ave., Countryside, IL 60525, Ph. 312-482-7200.
CONTACT PERSON: David Baldwin, VP
PRODUCTS UNDER: Commercial Equipment & Supplies

TERRAL-NORRIS SEED CO. INC.
P.O. Box 826, Lake Providence, LA 71254, Ph. 318-559-2840.
CONTACT PERSON: Thomas Terral or Larry Mullen
PRODUCTS & SERVICES UNDER: Farm Equipment & Supplies; Commercial Services

TETKO, INC.
P.O. Box 183, Lancaster, NY 14086, Ph. 716-683-4050.
CONTACT PERSON: Charles Wait, Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

THAI THEPAROS FACTORY R.O.P.
208 Moo 6 Taiban Rd., Samutprakarn, Thailand, Ph. 023950-177 or 3950-391.
CONTACT PERSON: Somsak Vacharothayangul
PRODUCTS & SERVICES UNDER: Commercial and Soy Product Processing Equipment & Supplies; Commercial Services

THIONVILLE INSPETORA DE CARGAS E ANALISES LTDA.
Rua Do Paraiso, 479-Paraiso, Sao Paulo, Brazil, 04103, Ph. 011-284-2677; TLX: 011-25310 (TNLE BR).
CONTACT PERSON: Silvia Milla Ferraz
SERVICES UNDER: Commercial Services

THIONVILLE LABORATORIES & SURVEYING CO. INC.
5440 Pepsi St., New Orleans, LA 70123, Ph.

504-733-9603; TLX: 460114 (THION UI); TWX: 810-951-5277.
CONTACT PERSON: Paul C. Thionville
SERVICES UNDER: Commercial Services

THIONVILLE SURVEYING COMPANY (Netherlands) B.V.
Vierhavensstraat 40-44, 3029 BE Rotterdam, The Netherlands, Ph. 010-774155; TLX 27-254 (THION NL).
CONTACT PERSON: A.J. Oversier
SERVICES UNDER: Commercial Services

THIONVILLE SURVEYING GmbH
Friedensallee 333, 2000 Hamburg 50, Fed. Rep. of Germany, Ph. 88261; TLX: 02-11-954.
CONTACT PERSON: Herr Riche or Herr Barnewitz
SERVICES UNDER: Commercial Services

THOMAS CONVEYOR COMPANY
P.O. Box 2916, Ft. Worth, TX 76101, Ph. 817-433-2217; TLX: 75-8274 (THOMASCONV FTW).
CONTACT PERSON: Gary Newton, Sls. Mgr., or John Almarez, Mktg. Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

THE TINTOMETER LTD.
Waterloo Rd., Salisbury, Wiltshire, England SP1 2JY, Ph. 0722-27242; TLX: 47372 (TINTCO G); TWX: 7108822260 (LOVI BOND WMBG).
CONTACT PERSON: Alex A. Belbin, UK Office
PRODUCTS UNDER: Commercial Equipment & Supplies

TRADE-LINK LTD.
P.O. Box 146 Kfar Sava 44101 Israel, Ph. 052-41158 or 44014; TLX: 35882 (LINK IL).
PRODUCTS UNDER: Farm Equip. & Supplies

TRAMCO METAL PRODUCTS, INC.
1011 E. 19th St., Wichita, KS 67214, Ph. 316-264-4604; TLX: 437-029 (TRAMCO WIC).
CONTACT PERSON: Leroy Rutz
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

TRIPLE/S DYNAMICS, INC.
1031 S. Haskell Ave., Dallas, TX 75223, Ph. 214-821-9143 or 800-527-2116; TLX: 730023 (TRIPLE S DAL).
CONTACT PERSON: Bill Belous or John Groscurth
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

TROIKA PROCESSES PRIVATE LTD.
607, Embassy Centre Nariman Point, Bombay, 400021, India, Ph. 234429, 234475; TLX: 01-5336 (TROK IN).
CONTACT PERSON: P.G. Bhandari, R.S. Jhaveri, O.P. Agrawal, or R.K. Chopra
PRODUCTS & SERVICES UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies; Commercial Services

EXPERIENCE. EXPERTISE.

Woodson-Tenent Laboratories, with over 50 years EXPERIENCE, is a modern testing laboratory with a highly skilled staff and technical instrumentation that is capable of EXPERTLY expediting your product analysis, accurately and efficiently, from our main office or 5 conveniently located branch laboratories.

Each branch laboratory is geared to meet your strict requirements and daily demands and needs. We offer full service agricultural and environmental chemical analysis which include: oilseed analysis; feed, feed drugs and rendering products analysis; pesticide/chemical residue analysis; effluent/environmental analysis.

Rely on Woodson-Tenent for experience. . . expertise. Contact us today for full information. Celebrating our 50th year with service to you!

Woodson-Tenent Laboratories, Inc.

P.O. Box 2135
345 Adams Ave. Memphis, Tennessee 38101
Phone: 901-525-6333
TWX: 810-581-1340 Answerback: WT LABS MFS

BRANCH OFFICES

Des Moines, Iowa 50305 515-265-1461
Gainesville, Ga. 30503 404-536-5909
Goldston, N.C. 27252 919-898-4311
N. Little Rock, Ark. 72119 501-945-7188
Dayton, Ohio 45414 513-236-5756

TWIN CITY MACHINE CO., INC.
527 2nd Ave. S.E., Minneapolis, MN 55414, Ph. 612-378-2422.
CONTACT PERSON: Tom Zimmerman
SERVICES UNDER: Commercial Services

THE TWINING LABORATORIES INC.
2527 Fresno, Fresno, CA 93721, Ph. 209-268-7021.
CONTACT PERSON: Gordon Parrish
SERVICES UNDER: Commercial Services

D.W. TYLER COMPANY
907 W. Fairchild, Danville, IL 61832, Ph. 217-446-0228.
CONTACT PERSON: John Strader
PRODUCTS UNDER: Commercial Equipment & Supplies

U

U.S. BORAX & CHEMICAL CORP.
3075 Wilshire Blvd., Los Angeles, CA 90010, Ph. 213-381-5311.
CONTACT PERSON: Joe Kern, Public Relations
PRODUCTS UNDER: Farm Equip. & Supplies

USS AGRICHEMICALS
P.O. Box 1685, Atlanta, GA 30301, Ph. 404-572-4000.
CONTACT PERSON: R.M. Mitteness
PRODUCTS UNDER: Farm Equip. & Supplies

UNION CARBIDE AGRICULTURAL PRODUCT COMPANY, INC.
P.O. Box 12014, T.W. Alexander Dr., Research Triangle Park, NC 27709, Ph. 919-549-2309; TLX: 420542, state ref. as RTG (UCC-UI); TWX: 919-549-2357 (929-549-2311).
CONTACT PERSON: J. Haskins, Mgr. Comm.
PRODUCTS UNDER: Farm Equip. & Supplies

UNION CHEMICALS DIVISION
1900 East Golf Road, Schaumburg, IL 60195, Ph. 312-490-2500.
CONTACT PERSON: J.D. Clover
PRODUCTS UNDER: Farm and Soy Product Processing Equipment & Supplies

UNION COMERCIAL INDUSTRIAL SA
Piura, Peru, Ph. 044-32-2041.
CONTACT PERSON: Eduardo Palma Lama
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

UNIROYAL CHEMICAL, UNIROYAL, INC.
Naugatuck, CT 06770, Ph. 203-723-3544.
CONTACT PERSON: Jerry Zinn
PRODUCTS UNDER: Farm Equip. & Supplies

UNITED CATALYSTS INC.
P.O. Box 32374, Louisville, KY 40232, Ph. 502-637-9751; TLX: 204190 (CATALYSTS LVL).
CONTACT PERSON: George L. Buehler
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

UNITED STATES RAIL SERVICES, INC.
633 Battery St., San Francisco, CA 94111, Ph. 415-455-7691.
CONTACT PERSON: Helen Hegland, Reg. Sls. Dir.
SERVICES UNDER: Commercial Services

UNIVERSAL INDUSTRIES
1575 Big Rock Rd. West, Waterloo, IA 50701, Ph. 319-291-3800; TLX: 465-628.
CONTACT PERSON: B.L. Jensen.
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

THE UPJOHN COMPANY
Kalamazoo, MI 49001, Ph. 616-385-6609; TLX: 101224-401; TWX: 810-277-2602.
CONTACT PERSON: Leo J. Zanoni
PRODUCTS & SERVICES UNDER: Farm Equipment & Supplies; Commercial Services

THE URBANA LABORATORIES
P.O. Box 399, Urbana, IL 61801, Ph. 217-367-3046.
PRODUCTS UNDER: Farm Equip. & Supplies

URSCHEL LABORATORIES, INC.
2503 Calumet Rd., Valparaiso, IN 46383, Ph. 219-464-4811; TLX: 258-337 (URSCHEL VALP).
CONTACT PERSON: Georgean Perry
PRODUCTS UNDER: Commercial and Soy Product Processing Equipment & Supplies

V

VR SEEDS, INC.
Box M, Plymouth, IN 46563, Ph. 219-936-2193; TLX: 450188.
CONTACT PERSON: John Gerard, Pres.
SERVICES UNDER: Commercial Services

VISHWA OIL PRODUCTS LTD.
Mansingka Chambers, 258, Kalbadevi Rd., Bombay-2, Bombay, India, Ph. 296313, 315482.
CONTACT PERSON: Sushil Kumar Mansingka, Mgr. Dir.
PRODUCTS UNDER: Commercial, Farm and Soy Product Processing Equipment & Supplies

W

WEATHER TRENDS, INC.
565 5th Ave., New York, NY 10017, Ph. 212-682-4280.
CONTACT PERSON: B. Schilit
SERVICES UNDER: Commercial Services

For Superior Quality and Dependable Service

Arkansas Certified Rice, Soybeans, Wheat and Oats. 2½ Million Bushel Storage Capacity. Fully equipped Seed Testing Laboratory staffed by a Registered Seed Technologist. Modern Seed Cleaning, Packaging and Storage. Shipments by Truck or Rail. Over 50 Years of Service.

Hartz Seed

Jacob Hartz Seed Company, Inc.

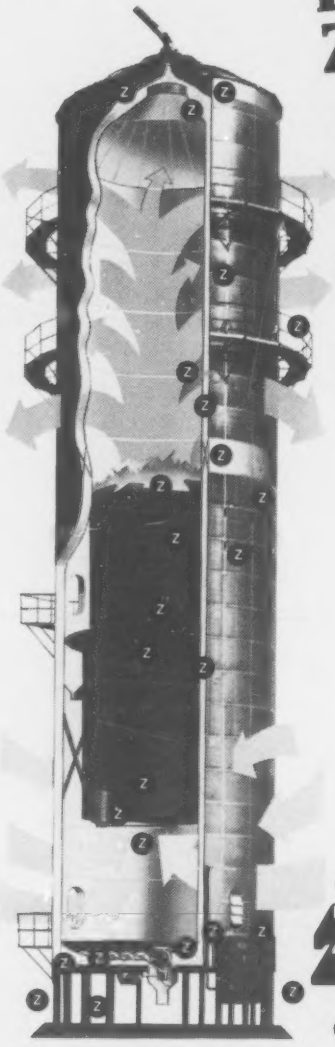
P. O. Box 946 Stuttgart, Arkansas 72160 • (501) 673-8565

Cable HARTZSEED — TWX 910-720-6244

(Answer back HARTZSEED STGT)

For Soybean Process Drying . . .

invest in Zimmerman PLUS features



and get valuable benefits they provide!

• Energy Savings • Economical, Efficient and Dependable Operation • Air Pollution Control • Minimum Noise Levels • Fire and Safety Requirements that are Met or Exceeded • Rated Drying Capacities that are Met or Exceeded • Minimum Ground Space Requirements • Low Maintenance • Low Insurance Ratings • Highest Quality Dried Soybeans • Profitable Return on Investment **Dries Soybeans exactly to your standards!**

For a firsthand look at Z-PLUS features, visit a Zimmerman installation near you. Write or phone today for a complete list of installations . . . then see why you should . . .

"Add Z-PLUS Profit to Your Production"

Zimmerman

CONTINUOUS FLOW COMMERCIAL GRAIN DRYERS

ZIMMERMAN EQUIPMENT COMPANY • LITCHFIELD, ILLINOIS 62056 • 217-324-3987

WEBCO TANK, INC.
P.O. Box 1208, Sapulpa, OK 74066, Ph. 918-224-6232.
CONTACT PERSON: W.A. Lawshae
PRODUCTS UNDER: Commercial and Farm Equipment & Supplies

WENGER INTERNATIONAL INC.
2400 Pershing Rd., Suite 510, Kansas City, MO 64108, Ph. 816-221-5084; TLX: 42387 (WENGER KSC).
CONTACT PERSON: Bud Gosney
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

WERNER & PFLEIDERER CORPORATION
663 E. Crescent Ave., Ramsey, NJ 07446, Ph. 201-327-6300; TLX: 134-303.
CONTACT PERSON: Richard Ziminski
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

WERTHAN INDUSTRIES, INC.
404 James Robertson Pkwy., Nashville, TN 37219, Ph. 615-259-9331.
CONTACT PERSON: Berry Lannom
PRODUCTS UNDER: Commercial Equipment & Supplies

WESMAR INDUSTRIAL SYSTEMS DIV.
801 Dexter Ave. N., P.O. Box C19074, Seattle, WA 98109, Ph. 206-285-2420; TLX: 329509.
CONTACT PERSON: Mike Holmes
PRODUCTS UNDER: Commercial Equipment & Supplies

WESTERN-COMMERCIAL TRANSPORT, INC.
P.O. Box 270, Fort Worth, TX 76101, Ph. 817-335-4821.
CONTACT PERSON: Dave Turnbull, Dir. Sls./Mktg.
SERVICES UNDER: Commercial Services

WESTFALIA SEPARATOR AG
Werner-Habig-Str., 4740 Oelde 1, Fed. Rep. of Germany, Ph. 02522-771; TLX: 89-474.
CONTACT PERSON: F. Sudhoff or E. Weber
PRODUCT UNDER: Soy Product Processing Equipment & Supplies

WESTVACO CORPORATION
Chemical Division, P.O. Box 70848, Charleston, SC 29405, Ph. 803-554-8350; TLX: 576443 (WNA CU CHM CHS).
CONTACT PERSON: Tom McPartland
PRODUCTS UNDER: Farm Equip. & Supplies

WHEELABRATOR-FRYE, INC.
400 S. Brykit St., Mishawaka, IN 46544, Ph. 219-255-2141; TLX: 25-8424.
PRODUCTS UNDER: Commercial Equipment & Supplies

WILKEN SEED GRAINS INC.
Box 133, Pontiac, IL 61764, Ph. 815-844-3458.
CONTACT PERSON: Lloyd C. Wilken
SERVICES UNDER: Commercial Services

H.R. WILLIAMS MILL SUPPLY COMPANY
208 W. 19th St., Kansas City, MO 64108, Ph. 816-471-1511.
CONTACT PERSON: John D. Holden
PRODUCTS UNDER: Commercial Equipment & Supplies

K.I. WILLIS CORP.
P.O. Box 687, Milan, IL 61264, Ph. 309-787-4678.
CONTACT PERSON: Tom Biehl
PRODUCTS UNDER: Commercial Equipment & Supplies

WOODSON-TENENT LABORATORIES
345 Adams, P.O. Box 2135, Memphis, TN 38101, Ph. 901-525-6333; TWX: 810-591-1340 (WT Labs Mph).
CONTACT PERSON: James Bassett
SERVICES UNDER: Commercial Services

WURSTER & SANGER INC.
222 W. Adams St., Chicago, IL 60609, Ph. 312-977-4890; TLX: 206414 (WURSAN INC CGO).
CONTACT PERSON: George Andretich
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Commercial Services

Y

YEAR-A-ROUND CAB CORP.
P.O. Box 2075, Mankato, MN 56001, Ph. 507-625-9381.
CONTACT: Sales Dept.
PRODUCTS UNDER: Farm Equip. & Supplies

Z

ZIMMERMAN EQUIPMENT CO.
216 Sherman St., P.O. Box 331, Litchfield, IL 62056, Ph. 217-324-3987.
CONTACT PERSON: Lon Bathurst, Mktg. Mgr.
PRODUCTS UNDER: Commercial Equipment & Supplies

ZOECON/RING AROUND RESEARCH
P.O. Box 1017, Hale Center, TX 79041, Ph. 806-839-2424
CONTACT PERSON: William H. Davis or Norris Phelps
SERVICES UNDER: Commercial Services

the golden bean...

STS-SOYA TECHNOLOGY SYSTEMS LTD. is a member of the Danish Turnkey Dairies Group of companies. STS combines an enviable experience in the design and construction of profitable processing plants with entirely new technology in the production of non-bean tasting soymilk.

STS offers "single source responsibility" in the supply of up-to-date turnkey plants, ready for production. This protects our clients from the many problems which arise during projecting, installation and running-in operatings.

In addition to the know-how provided for plant projecting and product processing STS supplies a process formula known as "THE GOLDEN BEAN". This unique formula ensures that the often undesirable bean taste is removed from the soymilk.

The STS process formula has a fully adjustable viscosity/protein content to adapt the product, ranging from a "food-strategy" for a hungry nation to a flavoured "fun-beverage".

STS-SOYA TECHNOLOGY SYSTEMS LTD.'s turnkey technology services include:

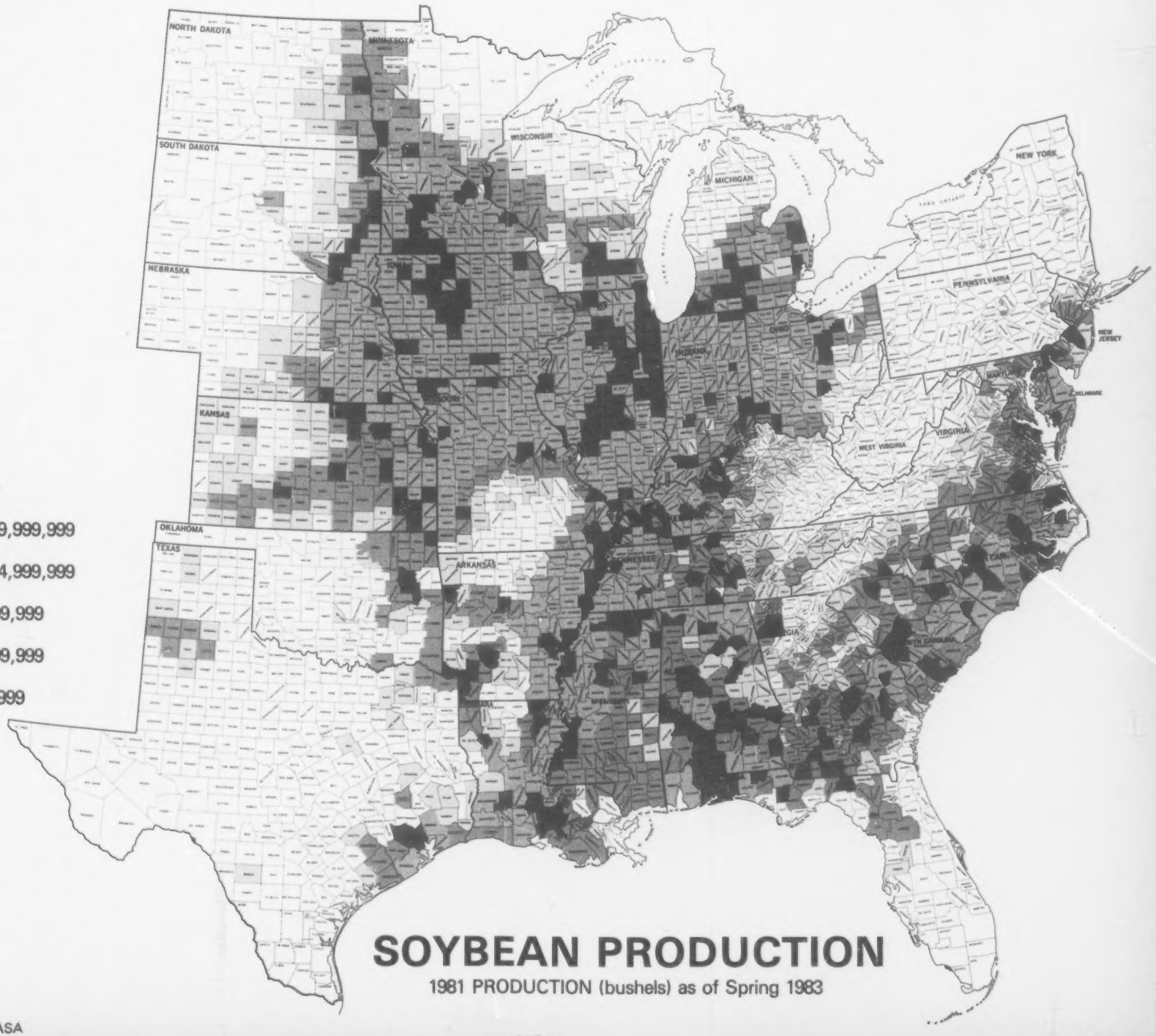
* PRODUCT FORMULA * PROCESSING/ PRODUCTION PLANT * ASSEMBLY AND INSTALLATION * INITIAL TRIALS AND RUNNING-IN OF PLANT * MANAGEMENT CONTRACTS * AFTER-SALES SERVICES: Supply of raw materials, Containers/packaging, Spare parts, Maintenance

The booklet "SOYMILK" and samples of "THE GOLDEN BEAN" product are available on request.

STS - SOYA TECHNOLOGY SYSTEMS LTD.

11 Dhoby Ghaut, #12-04, Cathay Building, Singapore 0922. Telephone: 338-6259, Telex: RS 25299.

soya bluebook
an ASA publication

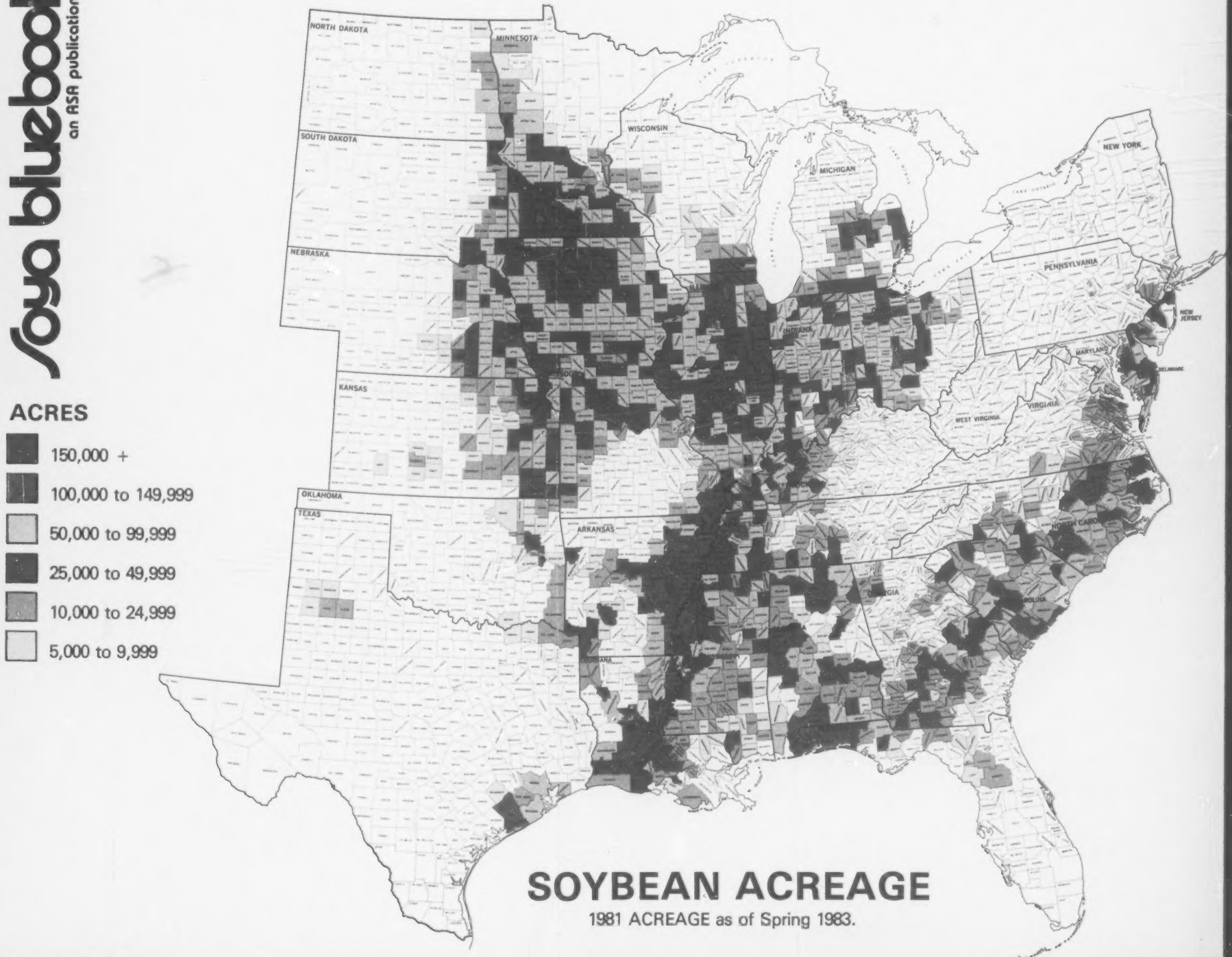


SOYBEAN PRODUCTION

1981 PRODUCTION (bushels) as of Spring 1983

© COPYRIGHT 1983 • ASA

soya bluebook
an ASA publication



SOYBEAN ACREAGE

1981 ACREAGE as of Spring 1983.

© COPYRIGHT 1983 • ASA

soy statistics

SOYBEANS

Canadian Soybean Production 183
Canadian Soybean Production & Utilization 183
U.S. Soybean Acreage (map) 172
U.S. Soybean Acreage, Yield & Production by State 180, 181
U.S. Soybean Crop Value 182
U.S. Soybean: Planting & Harvesting 184
U.S. Soybean Price Support Operations 186
U.S. Soybean Production (table) 179
(map) 171
U.S. Soybeans: Farm Marketings by Month 184
U.S. Soybeans: Prices, No. 1 Yellow 185
U.S. Soybeans: Prices Received by Farmers 185
U.S. Soybean Processing Plants (map) 173
U.S. Soybeans: Supply & Disposition 188
U.S. Soybeans: Value of Products 187
World Soybean Production 176, 177

MEAL

Oilseed Cake & Meal: Supply & Disposition 191
U.S. Soybean Meal: Average Wholesale Price Decatur 189
U.S. Soybean Meal: Prices Paid by Farmers 189
U.S. Soybean Meal: Production, Stocks & Disappearance 190

OILS & FATS

U.S. Soy Oil Prices 192
U.S. Soy Oil: Supply & Disposition 194
U.S. Soy Oil Utilization 193
World Fats & Oils Production 178

EXPORTS & IMPORTS

U.S. Exports, Imports of Cake & Meal 198
U.S. Exports: Soybeans 195
U.S. Exports: Soybeans, Oil & Meal....196, 197
U.S. Exports: Soy & Cottonseed Oil 201
U.S. Exports: Vegetable Oils 202
U.S. Soybeans: Exports by Coastal Area & Country of Destination 199
U.S. Soybeans: Inspection for Export by Grades & Ports 200

METRIC CONVERSION TABLE 174

Other sources of information on soybeans:

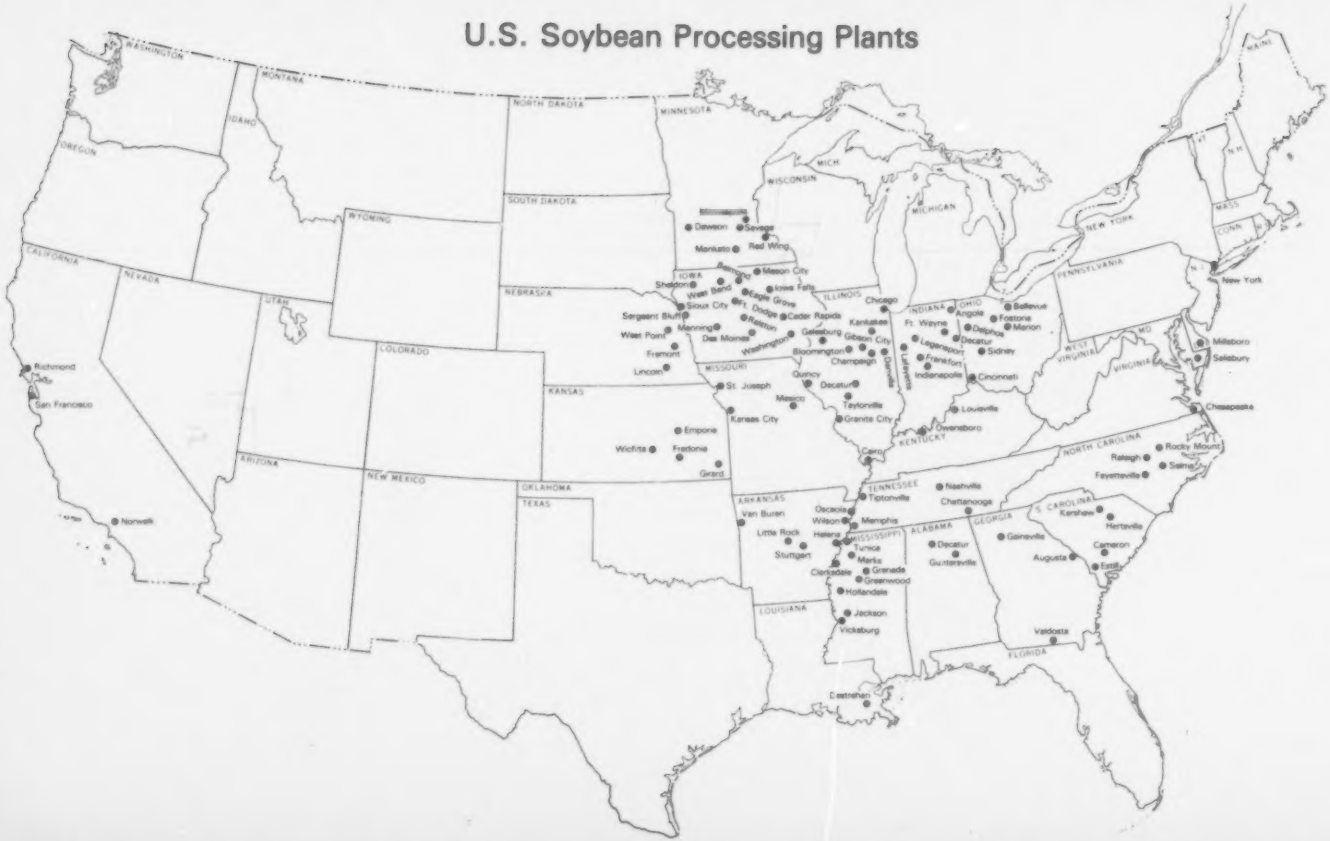
Crop Production
Crop Reporting Board Publications
Rm. 5829, South Building
USDA
Washington, D.C. 20250
202-447-4021

Fatus and Fats and Oils Outlook & Situation
Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402
202-783-3238

Oilseeds and Products
Foreign Ag Circular
Oilseeds and Products Division
Foreign Agriculture Service, USDA
Washington, D.C. 20250
202-382-0092

U.S. Export Sales
Export Sales Reporting Division
Washington, D.C. 20250
202-447-9209

U.S. Soybean Processing Plants



METRIC CONVERSION TABLES

1 inch	=	2.54 centimeters	1 meter	=	39.37 inches
1 foot	=	30.48 centimeters	1 meter	=	3.28 feet
1 foot	=	0.30 meters	1 kilometer	=	3,281 feet
1 mile	=	1.61 kilometers	1 hectare	=	2.5 acres
1 acre	=	.40 hectares	1 kilogram	=	2.2 pounds
1 pound	=	453.59 grams	1 bushel	=	36.87 liters
1 gallon	=	3.78 liters			

(SOYBEANS)

1 bushel of soybeans = 60 pounds

1 short ton = 33.33 bushels

1 short ton = .90 metric tons

1 long ton = 37.33 bushels

1 bushel of soybeans = 10.7 pounds of crude soy oil

1 bushel of soybeans = 47.5 pounds of soybean meal

1 short ton of soybean meal = 42.08 bushels of soybeans

1 long ton of soybean meal = 47.13 bushels of soybeans

1 metric ton = 36.74 bushels

1 metric ton = 1,000 kilograms, 2,205 lbs.

1 metric ton of soybean meal = 46.39 bushels of soybeans

79.2% of a bushel of soybeans is manufactured into soybean meal

17.8% of a bushel of soybeans is manufactured into soy oil

3% is manufacturing loss

1 bushel of soybeans = 39 pounds of soy flour, 20 pounds of concentrate or 11.8 pounds of isolates.

TEMPERATURE CONVERSIONS

Celsius = 5/9 (F - 32)
Fahrenheit = (C × 1.8) + 32

WORLD SOYBEAN PRODUCTION

AREA AND PRODUCTION IN SPECIFIED COUNTRIES AND THE WORLD 1977/78-1982/83[1]

Continent and Country	Area[2]						Production					
	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83[3]	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83[3]
	(In 1,000 hectares)						(In 1,000 metric tons)					
NORTH AMERICA:												
Canada	223	285	283	283	279	364	580	516	671	713	607	857
Mexico	300	215	380	150	370	390	470	330	680	280	680	550
United States[4]	23,403	25,764	28,557	27,461	26,858	28,645	48,097	50,859	61,722	48,772	54,435	61,969
SOUTH AMERICA:												
Argentina	1,250	1,600	2,030	1,740	1,985	2,000	2,700	3,700	3,600	3,500	4,000	3,400
Bolivia	18	26	35	27	45	45	25	38	44	40	78	79
Brazil	7,782	8,256	8,774	8,534	8,293	8,300	9,541	10,060	15,153	15,200	12,800	14,600
Chile	1	1	1	1	1	1	1	2	1	1	1	1
Colombia	69	71	79	44	50	55	131	146	155	89	100	110
Ecuador	15	17	21	21	21	21	19	23	30	31	33	20
Paraguay[5]	272	360	400	400	420	370	333	549	575	600	600	550
Peru	3	4	9	10	12	14	4	5	5	8	10	11
Uruguay	22	35	35	35	17	20	30	35	45	45	20	25
Venezuela	0	0	3	0	0	0	0	0	5	0	0	0
AFRICA:												
Egypt	14	34	42	35	46	62	27	79	106	92	130	175
Morocco	0	1	1	1	1	0	0	1	1	1	1	0
Nigeria[6]	190	190	195	165	165	165	70	73	75	55	60	65
South Africa[7]	25	26	28	22	22	25	37	26	40	26	21	20
Zimbabwe	35	45	51	38	60	70	70	84	97	65	86	100
EUROPE:												
Bulgaria	69	99	96	94	94	90	90	120	157	107	113	120
Czechoslovakia	6	3	5	5	5	5	11	6	5	5	5	5
France	3	4	17	8	10	9	4	4	17	14	18	20
Hungary	28	25	25	20	25	25	41	28	30	39	45	50
Romania	171	202	302	364	[illegible]	315	191	230	383	448	268	325
Spain	4	9	9	7	4	5	8	17	15	14	7	9
Yugoslavia	32	34	31	17	47	77	67	63	67	34	93	180

Continent and Country	Area[2]						Production					
	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83[3]	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83[3]
	(In 1,000 hectares)						(In 1,000 metric tons)					
SOVIET UNION:	786	815	838	854	864	800	545	634	467	525	450	480
ASIA:												
China:												
Mainland	6,850	7,144	7,247	7,226	8,024	8,300	7,250	7,565	7,460	7,940	9,330	8,700
Taiwan	24	19	15	10	10	10	41	32	26	16	15	15
India	225	275	400	500	500	550	180	220	350	450	500	650
Indonesia	733	784	732	811	725	780	617	680	653	687	609	620
Iran	42	67	58	34	50	50	86	113	95	50	80	80
Japan[4]	79	127	130	142	149	147	111	190	192	174	212	226
Korea, North	300	300	300	300	300	300	310	320	330	330	330	330
Korea, Republic of[5]	251	247	207	188	202	183	319	293	257	216	257	233
Philippines	9	8	10	10	11	12	7	6	9	10	10	12
Thailand[6]	110	109	126	128	130	112	96	102	100	131	117	110
Turkey	5	3	3	3	17	25	6	3	3	3	15	50
OCEANIA:												
Australia	50	54	57	46	46	45	77	99	82	73	79	69
WORLD TOTAL	43,399	47,258	51,532	49,734	50,168	52,417	72,192	77,251	93,703	80,784	86,215	94,843

[1]Split years shown refer to years of harvest, Northern Hemisphere crops which are harvested in the first part of the split year (for example September-October 1977) and Southern Hemisphere crops which are harvested in the first part of the following year (for example March-April 1977). In this example, the split year designation would be 1977/78. [2]Figures refer to harvested areas as far as possible. [3]Estimated. [4]Hectare harvested for beans. [5]Planted area. [6]Quantities purchased by the Nigerian Marketing Board for exports.

Source: Foreign Agricultural Service, U.S. Department of Agriculture.

WORLD FATS & OILS PRODUCTION

CALCULATED PRODUCTION 1974; [1]1975-83 (IN 1,000 METRIC TONS)

	1974	[1]1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82[2]	1982-83[3] Dec.	1982-83[3] Jan.
EDIBLE VEG. OILS[4]										
SOYBEAN	9,542	10,168	8,838	10,854	11,704	14,391	12,180	12,930	14,702	14,801
COTTONSEED	3,168	2,767	2,812	3,182	2,988	3,214	3,213	3,558	3,351	3,349
PEANUT	3,091	3,594	3,192	3,083	3,301	3,077	2,769	3,461	2,935	2,931
SUNFLOWER	4,521	3,669	3,737	4,719	4,670	5,539	4,772	5,227	5,810	5,911
RAPESEED	2,475	2,964	2,485	2,683	3,662	3,422	3,862	4,163	4,658	4,659
SESAME[5]	635	630	586	610	—	—	—	—	—	—
SAFFLOWER[5]	210	329	217	275	—	—	—	—	—	—
OLIVE	1,526	1,806	1,334	1,591	1,582	1,579	1,842	1,291	1,989	1,930
CORN[5]	311	408	410	480	—	—	—	—	—	—
COCONUT	2,235	3,393	3,118	3,304	2,803	3,089	3,137	3,103	3,193	3,180
PALM KERNEL	488	503	546	560	634	690	716	879	932	933
PALM	2,610	3,050	3,371	3,713	4,268	4,797	5,193	6,109	6,476	6,474
BABASSU[5]	105	122	132	143	—	—	—	—	—	—
TOTAL	30,917	33,403	30,790	35,177	35,612	39,798	37,684	40,711	44,046	43,968
INDUSTRIAL OILS										
LINSEED	755	737	684	907	736	808	624	634	774	789
CASTOR[5]	493	301	287	327	—	—	—	—	—	—
OITICICA[5]	11	15	14	14	—	—	—	—	—	—
TUNG[5]	96	111	100	95	—	—	—	—	—	—
OLIVE RES.	146	186	153	172	—	—	—	—	—	—
TOTAL	1,501	1,350	1,238	1,515	736	808	624	634	774	789
ANIMAL FATS										
BUTTER (fat cont.)	4,502	4,800	4,944	4,981	4,987	4,989	4,927	4,962	4,782	4,782
LARD[5]	4,379	3,380	3,571	3,871	—	—	—	—	—	—
TALLOW GREASE	5,121	5,471	5,815	5,527	5,814	6,171	6,273	6,218	6,038	6,137
TOTAL	14,002	13,651	14,330	14,379	10,801	11,160	11,200	11,180	10,820	10,919
MARINE OILS										
WHALE[5]	40	15	15	8	—	—	—	—	—	—
SPERM WHALE[5]	120	82	64	58	—	—	—	—	—	—
FISH (inc.liver)	1,001	983	1,004	1,165	1,198	1,216	1,133	1,294	1,165	1,157
TOTAL	1,161	1,080	1,083	1,231	1,198	1,216	1,133	1,294	1,165	1,157
WORLD TOTAL	47,581	49,484	47,441	52,302	48,347	52,982	50,641	53,819	56,805	56,833

[1]Split year includes northern hemisphere crops harvested in the late months of the first year shown combined with southern hemisphere and certain northern hemisphere crops harvested in the early months of the following year. [2]Oilseed meal and oil production calculated from assumed extraction rates applied to that portion of each crop available for crushing and/or export represents potential not actual production. [3]Preliminary. [4]Forecast. [5]Totals for these categories not calculated after 1977-78. Source: FOREIGN AG CIRCULAR (Jan), Commodity Programs, Foreign Agricultural Service, U.S. Department of Agriculture.

U.S. SOYBEAN PRODUCTION

Soybeans: Acreage, Yield and Production, 1925-82

Year	Acres planted			Acres harvested			Average yield per acre harvested		Total production	
	grown alone	inter-planted[1]	equivalent solid[2]	for beans	for hay	grazed or plowed under	for beans	for hay	for beans	for hay
	Thousand acres			Thousand acres			Bushels	Tons	Th. bu.	Th. tons
1925	1,539	476	1,785	415	1,175	195	11.7	1.01	4,875	1,185
1930	3,072	786	3,473	1,074	2,062	337	13.0	.94	13,929	1,938
1935	6,966	1,028	7,503	2,915	4,044	544	16.8	1.34	48,901	5,422
1940	10,487	2,589	11,782	4,807	4,819	2,156	16.2	1.34	78,045	6,450
1945	13,056	1,505	13,807	10,740	1,940	1,127	18.0	1.26	193,167	2,451
1950	15,048	1,184	15,640	13,807	963	870	21.7	1.31	299,249	1,260
1955	19,674	617	19,981	18,620	705	656	20.1	1.28	373,682	910
1960	24,440	398	24,649	23,655	449	545	23.5	1.44	555,085	646
1961	27,787	332	27,981	27,003	424	549	25.2	1.47	678,554	624
1962	28,418	290	28,593	27,608	475	514	24.2	1.37	669,186	650
1963	29,462	278	29,598	28,615	547	471	24.5	1.38	699,165	757
1964	31,721	234	31,794	30,793	531	525	22.8	1.39	700,921	–
1965	35,227	–	–	34,449	–	–	24.5	–	845,608	–
1966	37,294	–	–	36,546	–	–	25.4	–	928,481	–
1967	40,819	–	–	39,805	–	–	24.5	–	976,439	–
1968	42,265	–	–	41,391	–	–	26.7	–	1,106,958	–
1969	42,534	–	–	41,337	–	–	27.4	–	1,133,120	–
1970	43,082	–	–	42,249	–	–	26.7	–	1,127,100	–
1971	43,476	–	–	42,705	–	–	27.5	–	1,175,989	–
1972	46,866	–	–	45,683	–	–	27.8	–	1,270,630	–
1973	56,549	–	–	55,667	–	–	27.7	–	1,547,165	–
1974	52,479	–	–	51,341	–	–	23.2	–	1,214,802	–
1975	54,550	–	–	53,579	–	–	28.9	–	1,547,383	–
1976	50,226	–	–	49,358	–	–	26.1	–	1,287,560	–
1977	58,760	–	–	57,612	–	–	30.6	–	1,761,755	–
1978	64,708	–	–	63,663	–	–	29.4	–	1,868,754	–
1979	71,632	–	–	70,566	–	–	32.1	–	2,267,901	–
1980	70,037	–	–	67,866	–	–	26.4	–	1,792,062	–
1981	67,810	–	–	66,368	–	–	30.1	–	2,030,452	–
1982[3]	72,162	–	–	70,783	–	–	32.2	–	2,276,976	–

[1]Grown with other crops. [2]Equivalent solid acreage (acreage grown alone with an allowance for acreage grown with other crops). [3]Preliminary.
Source: CROP PRODUCTION SUMMARY; Economics and Statistics Service.

U.S. SOYBEAN ACREAGE, YIELD AND PRODUCTION BY STATE

Acres Planted, Soybeans Grown Alone (Thousand Acres)

	1960	1970	1975	1976	1977	1978	1979	1980	1981	1982
Alabama	158	642	1300	1200	1650	1900	2200	2200	2050	2100
Arkansas	2472	4393	4750	4360	4650	4750	5200	4800	4550	4650
Delaware	182	165	228	208	230	265	280	265	265	275
Florida	35	188	291	259	334	420	460	475	475	615
Georgia	106	550	1190	890	1250	1750	2150	2450	2300	2700
Illinois	5013	6848	8350	7600	8900	9300	9800	9300	9350	9500
Indiana	2458	3300	3650	3300	3900	4200	4500	4400	4650	4600
Iowa	2615	5709	7000	6470	7250	7800	8200	8300	8200	8600
Kansas	594	1074	1100	900	1020	1520	1580	1550	1540	1850
Kentucky	260	582	1150	1100	1400	1400	1720	1650	1700	1700
Louisiana	258	1730	2000	2280	2750	3100	3400	3450	3210	3000
Maryland	228	216	335	300	330	385	410	400	375	410
Michigan	229	539	615	570	730	910	1020	980	980	1050
Minnesota	2118	3140	3700	3050	3850	4100	5150	4800	4460	4950
Mississippi	983	2358	3230	3335	3750	3900	4200	4000	3700	3700
Missouri	2387	3546	4450	4300	4730	5500	5900	5700	5180	5950
Nebraska	165	824	1220	995	1150	1270	1630	1830	2150	2350
New Jersey	42	52	104	140	185	195	205	200	170	172
New York-not est. after 1980	6	6	11	12	21	25	26	20	—	—
North Carolina	646	981	1500	1200	1450	1750	2000	2030	1920	2150
North Dakota	182	184	180	150	180	175	210	210	235	350
Ohio	1514	2434	3120	2900	3400	3900	4100	3800	3550	3750
Oklahoma	130	200	245	280	360	370	390	350	280	300
Pennsylvania	26	30	54	52	70	83	101	112	105	110
South Carolina	535	1550	1420	1230	1350	1510	1700	1700	1600	1900
South Dakota	102	253	345	280	320	400	700	780	780	840
Tennessee	478	1281	1950	1920	2320	2530	2700	2650	2450	2450
Texas	10	170	395	375	800	800	860	700	560	1000
Virginia	334	372	451	410	450	480	540	620	645	680
Wisconsin	102	155	216	160	200	220	300	335	380	460

Acres Harvested for Beans (Thousand Acres)

	1960	1970	1975	1976	1977	1978	1979	1980	1981	1982
Alabama	135	600	1260	1170	1600	1850	2150	2100	2020	2050
Arkansas	2442	4400	4700	4320	4800	4700	5150	4350	4500	4550
Delaware	177	158	225	206	225	260	275	260	260	270
Florida	33	184	281	253	327	410	453	460	460	578
Georgia	75	475	1160	870	1090	1680	2100	2140	2100	2550
Illinois	4973	6800	8320	7560	8850	9240	9720	9250	9250	9410
Indiana	2415	3278	3630	3280	3900	4180	4420	4380	4600	4580
Iowa	2599	5680	6970	6450	7080	7550	8170	8270	8150	8550
Kansas	586	930	1080	865	990	1490	1560	1450	1510	1810
Kentucky	199	530	1100	1070	1320	1360	1660	1600	1650	1660
Louisiana	216	1688	1920	2250	2680	3040	3350	3350	3130	2950
Maryland	215	213	330	295	325	380	405	390	370	405
Michigan	221	500	610	565	720	900	1010	960	970	1040
Minnesota	2090	3030	3660	3020	3770	4060	5080	4760	4350	4850
Mississippi	916	2580	3120	3250	3650	3800	4100	3850	3600	3600
Missouri	2344	3466	4370	4200	4650	5440	5830	5530	5100	5850
Nebraska	164	812	1200	980	1130	1250	1610	1770	2070	2300
New Jersey	33	54	102	138	177	191	203	194	168	170
New York	3	6	11	12	19	24	25	19	—	—
North Carolina	545	867	1420	1120	1320	1680	1950	1930	1850	2100
North Dakota	176	181	149	147	175	173	206	200	230	345
Ohio	1499	2550	3100	2880	3380	3870	4080	3780	3500	3730
Oklahoma	121	185	237	250	340	340	360	300	270	280
Pennsylvania	7	28	52	50	67	80	98	103	100	100
South Carolina	494	1010	1380	1190	1300	1470	1660	1600	1550	1850
South Dakota	100	247	342	271	315	390	685	770	770	830
Tennessee	394	1150	1850	1800	2200	2420	2620	2550	2350	2350
Texas	75	168	370	347	780	745	805	630	480	920
Virginia	311	339	433	396	440	475	536	610	635	665
Wisconsin	97	153	207	152	192	215	295	330	375	440

Average Yield per Acre Harvested for Beans (Bushels)

	1960	1970	1975	1976	1977	1978	1979	1980	1981	1982
Alabama	24.0	23.0	24.5	24.0	21.0	21.0	25.0	15.0	23.0	26.0
Arkansas	21.0	22.5	25.0	19.0	23.0	24.5	28.0	15.0	22.0	24.0
Delaware	24.0	21.0	25.0	24.0	24.0	29.0	30.0	20.0	27.0	24.0
Florida	26.0	28.0	24.0	26.0	25.0	25.0	29.0	22.0	24.0	27.0
Georgia	17.0	23.0	25.5	23.5	20.0	17.5	28.0	11.0	19.0	27.0
Illinois	26.0	31.0	36.0	33.0	38.0	33.5	39.5	33.5	38.0	39.0
Indiana	27.0	31.0	33.5	34.0	37.0	34.5	36.0	36.0	33.0	40.0
Iowa	25.5	32.5	34.0	31.0	35.5	37.5	37.5	38.5	40.0	37.5
Kansas	21.5	15.0	21.0	15.0	28.5	18.0	26.5	16.5	30.0	26.0
Kentucky	22.0	27.0	27.0	27.0	31.0	30.0	32.5	22.5	29.0	32.0
Louisiana	24.0	24.0	25.0	28.0	23.5	25.0	28.0	20.0	20.5	26.0
Maryland	26.0	24.0	28.0	25.0	27.0	32.0	30.0	24.0	29.5	29.0
Michigan	20.0	26.5	26.0	20.5	30.0	24.0	30.0	32.0	30.0	31.0
Minnesota	19.5	26.0	27.0	22.0	35.5	36.0	32.0	31.5	32.0	36.0
Mississippi	22.0	22.5	22.5	22.0	21.5	21.5	29.0	16.0	21.0	26.0
Missouri	21.5	25.5	26.0	20.0	32.0	28.5	31.5	24.5	30.5	31.5
Nebraska	28.0	22.0	27.0	20.0	36.0	34.0	34.0	30.0	38.0	36.0
New Jersey	24.5	25.0	26.0	24.0	24.0	31.0	30.0	18.0	29.0	25.0
New York	17.0	20.0	27.0	26.0	23.0	23.0	26.0	24.0	—	—
North Carolina	22.5	24.0	23.5	22.0	22.0	24.0	23.5	18.0	25.0	25.0
North Dakota	13.0	15.0	19.5	12.5	20.0	27.5	27.0	17.5	28.0	21.0
Ohio	24.5	28.5	33.0	33.0	35.5	33.5	35.5	36.0	28.5	37.0
Oklahoma	20.0	18.0	22.0	22.0	23.0	15.0	23.0	10.0	24.0	19.0
Pennsylvania	23.0	32.0	28.0	29.0	31.0	31.5	32.0	24.5	31.0	32.0
South Carolina	19.0	20.0	22.0	18.0	20.5	22.0	24.0	13.0	20.0	22.0
South Dakota	17.0	17.5	25.0	17.0	30.5	30.5	33.0	26.0	29.0	31.0
Tennessee	22.5	23.0	25.0	22.5	23.5	23.5	27.0	18.0	26.0	27.0
Texas	27.0	28.0	25.0	26.0	26.5	26.5	26.0	22.0	22.0	26.0
Virginia	22.5	20.0	25.0	20.5	19.0	28.0	28.5	15.0	26.5	28.0
Wisconsin	17.0	24.0	25.5	22.0	35.0	32.0	34.0	33.0	33.0	31.0

Total Production of Beans (Thousand Bushels)

	1960	1970	1975	1976	1977	1978	1979	1980	1981	1982
Alabama	3240	13800	30870	28080	33600	38850	53750	31500	46460	53300
Arkansas	51282	99000	117500	82080	105800	115150	144200	65250	99000	109200
Delaware	4248	3276	5625	4920	5400	7540	8250	5200	7020	6480
Florida	858	5152	6744	6578	8175	10250	13137	10120	11040	15606
Georgia	1275	10925	29580	20445	21800	29400	58800	23540	39900	68850
Illinois	129298	210800	299520	249480	336300	309540	379080	309875	351500	366990
Indiana	65205	101618	121605	111520	144300	144210	159120	157680	151800	183200
Iowa	66274	184600	236980	199950	251340	283125	306375	318395	326000	320625
Kansas	12599	13950	22680	12975	28215	26820	41340	23925	45300	47060
Kentucky	4378	14310	29700	28890	40920	40800	53950	36000	47850	53120
Louisiana	5184	40512	48000	63000	62980	76000	93800	67000	54165	76700
Maryland	5590	5112	9240	7375	8775	12160	12150	9360	10915	11745
Michigan	4420	13250	15860	11583	21600	21600	30300	30400	29100	32240
Minnesota	40755	78780	98550	66440	133835	146160	162560	149940	139200	174600
Mississippi	20152	58050	70200	71500	78475	81700	118900	61600	75600	93600
Missouri	50396	88358	113620	84000	148800	155040	183645	135485	155550	184275
Nebraska	4592	17864	32400	19600	40680	42500	54740	53100	78660	82800
New Jersey	808	1350	2652	3312	4248	5921	6090	3492	4872	4250
New York	51	120	297	312	437	552	650	456	—	—
North Carolina	12262	20808	33370	24640	29040	40320	45825	34740	46250	52500
North Dakota	2288	2715	2906	1838	3500	4758	5562	3500	6440	7245
Ohio	36726	72675	102300	95040	119990	127710	144840	135360	99750	138010
Oklahoma	2420	3330	5214	5500	7820	5100	8280	3000	6480	5320
Pennsylvania	161	896	1456	1450	2077	2520	3136	2524	3100	3200
South Carolina	9386	20200	30360	21420	26650	32340	39840	20800	31000	40700
South Dakota	1700	4323	8550	4607	9606	11895	22605	20020	22330	25730
Tennessee	8865	26450	46250	40500	52170	56870	70740	45900	61100	63450
Texas	2025	4424	9250	9022	20140	19743	20930	13860	10560	18620
Virginia	6996	6780	10825	8359	8360	13300	15276	9150	16828	18620
Wisconsin	1649	3672	5279	3344	6720	6880	10030	10890	12375	13640

Source: CROP PRODUCTION SUMMARY; Economics and Statistics Service, U.S.Department of Agriculture.

U.S. SOYBEAN CROP VALUE

Soybeans for Beans: Value of Production, U.S. and Specified States 1925-82 (In 1,000 Dollars)

Year	U.S.	Illinois	Iowa	Indiana	Ohio	Missouri	Minnesota	Arkansas
1925	11,430	3,077	260	872	571	905	--	69
1930	19,068	8,225	1,350	2,495	651	1,584	--	164
1935	35,565	18,983	4,510	4,879	1,771	1,140	76	604
1940	70,224	29,675	12,478	8,929	8,168	1,601	779	832
1945	402,234	156,416	73,143	58,889	39,935	19,843	13,860	6,822
1950	737,760	238,383	112,094	89,208	62,539	64,790	42,786	28,357
1955	830,909	227,956	101,293	99,951	66,640	71,155	98,412	44,469
1956	980,299	295,486	108,500	112,584	68,693	78,303	111,910	58,942
1957	1,002,641	266,904	156,474	111,320	67,813	76,503	109,608	63,528
1958	1,160,112	292,207	160,506	120,731	75,051	109,755	106,791	93,530
1959	1,046,468	250,639	119,906	117,992	71,659	97,383	80,709	106,928
1960	1,184,910	288,335	141,164	140,843	80,063	102,304	87,623	109,231
1961	1,543,909	366,556	221,256	168,903	108,486	142,381	121,147	114,812
1962	1,564,352	378,153	218,177	176,670	102,287	141,996	100,433	143,283
1963	1,755,076	414,444	266,053	183,192	103,741	159,000	141,513	145,145
1964	1,836,441	385,615	311,584	176,835	109,225	144,986	148,304	175,854
1965	2,151,305	467,141	329,121	199,362	129,702	192,762	155,213	195,392
1966	2,553,407	447,536	397,931	202,664	165,578	229,886	215,858	233,186
1967	2,432,564	471,286	360,662	176,082	126,499	186,006	174,360	228,460
1968	2,679,210	520,512	434,203	249,293	166,603	246,154	172,072	215,507
1969	2,647,499	536,583	424,446	246,422	160,423	190,008	178,143	228,027
1970	3,204,660	611,320	520,572	289,611	195,389	250,937	229,126	279,484
1971	3,559,708	729,086	548,763	330,980	247,438	292,978	196,935	277,350
1972	5,550,459	1,159,697	1,023,840	462,383	344,585	466,092	413,574	334,530
1973	8,724,231	1,642,709	1,477,300	763,513	507,088	710,640	693,840	338,800
1974	8,069,585	1,314,614	1,266,149	685,613	536,718	611,654	525,840	568,632
1975	7,617,984	1,530,547	1,206,228	605,593	511,500	549,921	494,721	551,075
1976	8,768,979	1,758,834	1,409,648	747,184	664,330	568,600	479,697	533,520
1977	10,351,545	2,021,163	1,487,933	806,637	698,342	854,112	789,627	660,670
1978	12,458,598	2,078,089	1,930,082	963,323	852,994	1,056,284	952,963	773,808
1979	14,250,214	2,448,857	1,890,334	1,005,638	916,837	1,142,272	975,360	928,648
1980	13,559,595	2,361,248	2,352,939	1,196,214	1,036,858	1,028,331	1,084,066	516,128
1981	12,071,341	2,161,725	1,916,880	922,944	616,455	934,856	803,184	610,830
1982*	12,480,387	2,073,494	1,747,406	989,280	752,155	985,871	942,840	622,440

*Preliminary.
Source: Crop Reporting Board, Statistical Reporting Service, U.S. Department of Agriculture.

CANADIAN SOYBEAN PRODUCTION

Estimated Acreage, Production, Farm Price and Value 1950-1982

Crop Year[1]	Seeded acreage (acres)	Avg. yield per seeded acre (bu.)	Production (Th.bu.)	Avg. farm price $ per (bu.)	Total farm value (Th. $)
1950-51	142,000	23.4	3,323	2.55	8,474
1955-56	214,000	26.4	5,650	2.09	11,808
1960-61	226,500	22.1	5,001	2.03	11,521
1961-62	212,000	31.3	6,631	2.25	14,920
1962-63	221,000	29.9	6,608	2.48	16,388
1963-64	228,000	21.9	5,002	2.80	14,006
1964-65	231,000	30.2	6,981	2.87	20,021
1965-66	266,000	30.3	8,047	2.70	21,681
1966-67	279,000	32.3	9,002	3.00	27,036
1967-68	290,000	27.9	8,084	2.68	21,684
1968-69	295,000	30.6	9,039	2.42	21,845
1969-70	322,000	23.8	7,716	2.61	20,003
1970-71	335,000	31.0	10,398	2.78	28,906
1971-72	367,000	28.0	10,288	3.17	32,575
1972-73	405,000	34.0	13,779	5.73	78,902
1973-74	470,000	31.0	14,587	6.17	89,897
1974-75	415,000	24.8	11,060	6.08	62,563
1975-76	390,000	34.6	13,485	4.92	54,051
1976-77	377,800	24.5	9,186	7.05	95,069
1977-78	550,000	38.7	21,311	6.25	133,194
1978-79	704,000	26.9	18,960	7.64	144,854
1979-80	700,000	35.2	24,655	6.96	171,599
1980-81	700,000	37.4	26,198	8.33	218,229
1981-82[2]	691,000	32.3	22,303	7.17	159,913
1982-83[2]	900,000	34.0	31,489	6.80	214,125

[1]Most of the crop is grown in Ontario, but there were also small acreages in other provinces in the years 1942-43 to 1945-46. The totals for Canada include this production. [2]Preliminary. Source: Compiled from records of the Dominion Bureau of Statistics, U.S. Department of Agriculture; Foreign Agricultural Service, Oilseeds and Products.

CANADIAN SOYBEAN PRODUCTION AND UTILIZATION 1950-82

Year beg. Aug. 1	Production (Th.bu.)	Imports (Th.bu.)	Supplies (Th.bu.)	Exports of beans (Th.bu.)	Processed for oil and meal (Th.bu.)	Soy oil produced (Th.lb.)	Soybean oilcake produced (Short tons)
1950	3,323	4,723	8,046	—	7,393	72,676	176,343
1955	5,650	8,309	13,959	1,492	11,799	124,171	279,095
1960	5,001	12,345	17,346	1,381	16,279	173,837	380,558
1961	6,631	13,329	19,960	3,671	16,916	176,821	396,067
1962	6,608	14,711	21,319	2,445	17,862	183,592	418,526
1963	5,002	15,656	20,658	1,614	18,606	192,655	441,526
1964	6,981	16,461	23,442	3,197	19,401	198,413	461,868
1965	8,047	17,049	25,096	2,168	20,850	205,026	491,631
1966	9,002	16,277	25,279	3,601	19,878	200,617	473,994
1967	8,084	13,338	21,422	1,580	19,842	198,413	471,789
1968	9,039	12,456	21,495	1,139	20,062	205,026	476,198
1969	7,716	17,380	25,096	1,102	23,883	244,709	563,281
1970	10,398	15,726	26,124	808	23,589	240,300	553,360
1971	10,288	14,808	25,096	1,396	23,296	240,300	544,542
1972	13,779	10,986	24,765	1,102	22,487	218,254	532,416
1973	14,587	12,493	27,080	1,102	23,589	240,300	564,462
1974	11,060	12,713	23,773	294	23,295	238,095	550,053
1975	13,485	13,595	27,080	808	25,721	262,346	606,271
1976	9,186	14,404	23,590	2,919	22,303	227,072	528,007
1977	21,311	9,664	30,975	2,352	26,749	273,368	625,010
1978	18,960	12,860	31,820	3,344	27,301	284,392	636,033
1979	24,655	15,506	40,161	1,984	34,466	346,120	813,506
1980	26,198	14,734	40,932	5,218	34,172	350,529	806,892
1981	22,303	16,020	38,323	3,060	35,348	361,552	834,449
1982[1]	31,489	11,942	43,431	4,593	36,744	374,780	859,803

[1]Preliminary.
Source: Compiled from records of the Dominion Bureau of Statistics. U.S.Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

SOYBEANS: PLANTING AND HARVESTING DATES

State	1982 Harvested Acres	Usual Planting Dates	Usual Harvesting Dates		
			Begin	Most Active	End
Alabama	2,050	May 5-July 15	Sept. 20	Oct. 1-Oct. 30	Dec. 1
Arkansas	4,550	May 1-June 30	Oct. 1	Oct. 15-Nov. 25	Dec. 10
Delaware	270	May 15-July 10	Oct. 5	Oct. 20-Nov. 15	Dec. 1
Florida	578	May 15-June 15	Sept. 20	Oct. 1-Oct. 31	Nov. 30
Georgia	2,550	May 1-July 5	Oct. 10	Oct. 20-Nov. 20	Nov. 30
Illinois	9,410	May 5-June 25	Sept. 15	Sept. 25-Oct. 15	Nov. 5
Indiana	4,580	May 10-June 20	Sept. 20	Sept. 30-Oct. 30	Nov. 5
Iowa	8,550	May 10-June 10	Oct. 1	Oct. 10-Nov. 5	Nov. 15
Kansas	1,810	May 10-July 5	Sept. 20	Oct. 1-Nov. 5	Nov. 20
Kentucky	1,660	May 5-July 5	Sept. 20	Oct. 1-Nov. 1	Dec. 1
Louisiana	2,950	May 1-June 25	Sept. 15	Oct. 1-Nov. 15	Dec. 1
Maryland	405	May 15-July 10	Oct. 1	Oct. 20-Nov. 15	Dec. 1
Michigan	1,040	May 10-June 20	Sept. 20	Oct. 10-Oct. 25	Nov. 15
Minnesota	4,850	May 15-June 15	Sept. 25	Oct. 10-Oct. 25	Nov. 10
Mississippi	3,600	May 1-July 5	Sept. 20	Oct. 15-Nov. 15	Dec. 10
Missouri	5,850	May 1-June 20	Sept. 15	Oct. 1-Oct. 20	Dec. 1
Nebraska	2,300	May 10-June 15	Sept. 20	Oct. 5-Oct. 20	Nov. 5
New Jersey	170	May 25-July 10	Oct. 10	Oct. 25-Nov. 10	Noc. 20
New York	—	May 25-June 25	Oct. 1	Oct.10-Oct. 20	Oct. 30
North Carolina	2,100	May 5-June 25	Oct. 15	Nov. 1-Dec. 1	Dec. 20
North Dakota	345	May 20-June 10	Sept. 25	Oct. 5-Oct. 20	Oct. 25
Ohio	3,730	May 10-June 20	Sept. 20	Oct. 1-Oct. 25	Nov. 15
Oklahoma	280	May 10-June 30	Sept. 30	Oct. 10-Nov. 15	Nov. 25
Pennsylvania	100	May 10-July 1	Oct. 20	Nov. 1-Nov. 20	Dec. 1
South Carolina	1,850	May 1-July 10	Oct. 20	Nov. 1-Dec. 1	Dec. 10
South Dakota	830	May 15-June 15	Oct. 1	Oct. 10-Oct. 25	Nov. 5
Tennessee	2,350	May 1-June 30	Oct. 1	Oct. 15-Nov. 15	Dec. 10
Texas	920	May 1-July 15	Oct. 1	Oct. 25-Nov. 5	Nov. 30
Virginia	665	May 1-July 10	Oct. 1	Oct. 20-Nov. 25	Dec. 5
Wisconsin	440	May 25-June 15	Oct. 5	Oct. 20-Nov. 1	Nov. 20

Source: U.S. Department of Agriculture.

U.S. FARM MARKETINGS OF SOYBEANS

Percent of Open Market Farm Sales, by Month, 1972/73-81/82

Month	Crop Marketing Season									
	1972/73	1973/74	1974/75	1975/76	1976/77	1977/78	1978/79	1979/80	1980/81	1981/82
September	3.3%	3.1%	3.7%	4.7%	8.3%	3.5%	6.9%	5.0%	9.9%	6.0%
October	23.0	19.0	24.0	20.1	22.4	18.4	25.1	21.7	25.2	18.4
November	14.9	15.5	15.9	13.9	15.4	11.7	10.5	11.4	11.4	15.6
December	12.5	7.2	7.0	6.8	7.7	8.1	6.2	7.3	5.4	7.2
January	20.3	13.8	9.6	10.7	12.3	9.1	11.3	10.4	10.4	10.7
February	8.6	9.0	5.2	7.1	9.8	8.4	10.2	7.3	4.3	6.4
March	6.5	7.0	6.0	6.9	8.7	13.1	6.7	6.6	7.8	6.6
April	3.3	4.7	5.0	6.1	7.2	7.7	4.5	5.3	5.9	9.1
May	2.8	5.4	5.6	7.0	3.4	7.1	4.4	6.4	5.0	6.7
June	2.1	5.6	6.5	6.1	1.9	4.4	6.9	6.4	3.6	4.0
July	1.5	6.3	6.7	5.6	1.2	4.0	3.5	6.9	5.4	4.9
August	1.2	3.4	4.8	5.0	1.7	4.5	3.8	5.3	5.7	4.4
Year	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Crop Reporting Board, Statistical Reporting Service, U.S. Department of Agriculture.

PRICES OF U.S. SOYBEANS: NO. 1 YELLOW

Average Price Per Bushel, Illinois Country Shipping Points By Months 1950-82 (In Dollars)

Year[1]	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Average
1950	2.45	2.30	2.72	2.95	3.10	3.25	3.25	3.25	3.24	3.04	2.94	2.87	2.95
1955	2.24	2.22	2.19	2.27	2.35	2.45	2.56	2.85	3.10	2.97	2.54	2.40	2.51
1960	2.07	2.04	2.05	2.15	2.39	2.66	2.88	3.14	3.06	2.73	2.59	2.63	2.53
1961	2.27	2.33	2.38	2.40	2.40	2.40	2.44	2.48	2.47	2.44	2.44	2.42	2.41
1962	2.28	2.37	2.42	2.45	2.55	2.59	2.58	2.55	2.56	2.57	2.56	2.56	2.50
1963	2.58	2.68	2.72	2.71	2.71	2.65	2.63	2.53	2.47	2.44	2.43	2.48	2.59
1964	2.61	2.67	2.74	2.83	2.87	2.95	2.94	2.97	2.81	2.89	2.79	2.63	2.81
1965	2.61	2.38	2.49	2.62	2.77	2.84	2.82	2.92	3.03	3.30	3.49	3.63	2.91
1966	3.13	2.88	2.89	2.95	2.88	2.84	2.82	2.80	2.80	2.82	2.74	2.72	2.86
1967	2.62	2.51	2.50	2.57	2.62	2.64	2.64	2.64	2.65	2.64	2.64	2.62	2.61
1968	2.50	2.32	2.45	2.52	2.55	2.55	2.56	2.60	2.64	2.61	2.64	2.60	2.54
1969	2.41	2.30	2.36	2.41	2.47	2.46	2.47	2.58	2.65	2.73	2.80	2.75	2.53
1970	2.75	2.90	2.97	2.88	2.99	3.01	3.00	2.91	2.99	3.12	3.30	3.23	3.00
1971	3.01	3.01	2.98	3.06	3.05	3.14	3.35	3.47	3.47	3.44	3.48	3.45	3.24
1972	3.42	3.61	3.64	4.07	4.46	5.80	6.15	6.52	8.94	10.84	8.47	9.00	6.22
1973	6.10	5.62	5.57	5.92	6.19	6.35	6.29	5.59	5.47	5.51	7.11	7.76	6.12
1974	7.64	8.30	7.54	7.23	6.38	5.69	5.60	5.55	5.19	5.16	5.60	6.02	6.32
1975	5.57	5.01	4.71	4.58	4.64	4.75	4.72	4.75	5.23	6.23	6.66	6.31	5.26
1976	6.59	6.22	6.55	6.86	7.06	7.26	8.25	9.60	9.42	8.25	6.40	5.49	7.33
1977	5.16	5.07	5.84	5.94	5.73	5.65	6.58	6.81	7.01	6.76	6.62	6.47	6.14
1978	6.42	6.72	6.68	6.81	6.89	7.28	7.45	7.27	7.21	7.70	7.64	7.28	7.11
1979	7.04	6.56	6.52	6.53	6.36	6.42	6.07	5.80	6.04	6.10	7.22	7.45	6.51
1980	8.13	8.27	8.91	7.73	7.57	7.34	7.37	7.72	7.58	7.13	7.36	6.94	7.67
1981	6.44	6.30	6.28	6.23	6.30	6.24	6.16	6.42	6.56	6.31	6.20	5.73	6.26
1982	5.40	5.26	5.70	5.73									

[1]Year begins in September. Note: Beginning September 1953, price quotations are for No.1 and No.2 yellow soybeans when the degrading factors were test weight and/or splits only. Source: FATS & OILS OUTLOOK AND SITUATION (Feb.); Economics and Statistics Service, U.S. Department of Agriculture.

PRICES OF U.S. SOYBEANS: Received by Farmers

Average Price Per Bushel, By Months 1950-82[1] (In Dollars)

Year[2]	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Average[3]
1950	2.26	2.03	2.54	2.70	2.90	3.08	3.10	3.12	3.13	2.98	2.86	2.71	2.47
1955	2.00	2.08	2.06	2.11	2.19	2.25	2.38	2.63	2.98	2.87	2.47	2.33	2.22
1960	1.97	1.94	1.96	1.99	2.23	2.48	2.68	3.02	2.96	2.60	2.48	2.49	2.13
1961	2.24	2.20	2.27	2.30	2.32	2.32	2.34	2.38	2.36	2.34	2.35	2.33	2.28
1962	2.25	2.23	2.30	2.35	2.41	2.50	2.51	2.45	2.47	2.48	2.44	2.45	2.34
1963	2.44	2.56	2.66	2.58	2.65	2.57	2.55	2.45	2.36	2.35	2.34	2.35	2.51
1964	2.51	2.55	2.57	2.71	2.73	2.81	2.85	2.85	2.72	2.74	2.69	2.53	2.62
1965	2.35	2.31	2.36	2.48	2.67	2.77	2.71	2.78	2.90	3.04	3.37	3.49	2.54
1966	2.97	2.78	2.80	2.82	2.77	2.71	2.74	2.71	2.69	2.71	2.66	2.56	2.75
1967	2.53	2.44	2.43	2.48	2.53	2.57	2.57	2.56	2.58	2.54	2.52	2.51	2.49
1968	2.40	2.32	2.40	2.42	2.46	2.48	2.48	2.51	2.56	2.52	2.52	2.51	2.43
1969	2.28	2.23	2.30	2.30	2.36	2.40	2.42	2.48	2.52	2.60	2.72	2.65	2.35
1970	2.66	2.67	2.86	2.77	2.86	2.92	2.91	2.80	2.85	2.98	3.18	3.09	2.85
1971	2.95	2.96	2.84	2.93	2.92	3.00	3.20	3.37	3.35	3.32	3.34	3.36	3.03
1972	3.26	3.13	3.38	3.95	4.10	5.49	6.05	6.14	8.27	10.00	6.69	8.99	4.37
1973	5.81	5.63	5.14	5.65	5.87	6.07	5.96	5.15	5.21	5.13	6.10	7.55	5.68
1974	7.32	8.17	7.44	7.03	6.30	5.72	5.31	5.60	5.00	4.90	5.28	5.80	6.16
1975	5.32	4.92	4.45	4.28	4.46	4.50	4.46	4.52	4.87	6.16	6.73	6.07	4.92
1976	6.65	5.90	6.11	6.56	6.81	7.06	7.83	9.05	9.24	8.13	6.52	5.48	6.81
1977	5.17	5.28	5.61	5.68	5.75	5.53	6.20	6.49	6.77	6.69	6.40	6.21	5.79
1978	6.20	6.26	6.41	6.49	6.58	6.99	7.16	7.06	7.06	7.36	7.36	7.07	6.83
1979	6.81	6.35	6.30	6.27	6.39	6.20	5.94	5.63	5.91	5.76	6.75	7.18	6.28
1980	7.59	7.68	8.18	7.80	7.80	7.50	7.59	7.60	7.42	7.10	7.16	6.71	7.51
1981	6.21	6.06	6.04	6.00	6.13	6.04	5.99	6.17	6.27	6.12	5.99	5.59	6.05
1982	5.22	5.06	5.34	5.46	5.56								

[1]Monthly prices computed by weighting state prices by estimated sales for the month. [2]Year begins in September. [3]Includes allowance for unredeemed loans and purchase agreement deliveries by states. Source: FATS & OILS OUTLOOK AND SITUATION (Feb.); Economics and Statistics Service, U.S.Department of Agriculture.

U.S. SOYBEAN MEAL: PRICES PAID BY FARMERS

Soybean Meal, 44% Protein: Prices Paid by Farmers per 100 Pounds, by Months, 1950-82

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
1950	$4.20	$4.02	$4.11	$4.19	$4.58	$4.73	$5.16	$5.01	$4.44	$4.15	$4.24	$4.34	$4.43
1955	4.77	4.73	4.62	4.50	4.36	4.16	4.16	4.14	4.17	4.33	4.08	3.97	4.33
1960	4.24	4.19	4.14	4.16	4.09	4.05	4.03	3.98	4.01	3.96	3.85	3.80	4.04
1965	4.76	4.81	4.80	4.82	4.82	4.90	5.03	5.04	5.01	5.01	5.10	5.01	4.93
1966	5.06	5.17	5.08	5.03	5.21	5.33	6.11	6.07	6.23	5.73	5.56	5.55	5.51
1967	5.60	5.51	5.45	5.35	5.26	5.31	5.38	5.30	5.47	5.32	5.20	5.17	5.36
1968	5.20	5.24	5.22	5.21	5.23	5.28	5.41	5.51	5.56	5.54	5.39	5.31	5.34
1969	5.24	5.21	5.21	5.21	5.24	5.31	5.36	5.35	5.32	5.26	5.26	5.28	5.27
1970	5.73	5.87	5.62	5.46	5.45	5.42	5.56	5.67	5.72	5.69	5.62	5.67	5.62
1971	5.74	5.69	5.67	5.62	5.63	5.71	5.76	5.79	5.69	5.64	5.61	5.65	5.68
1972	5.74	5.79	5.94	6.14	6.27	6.32	6.53	6.65	6.80	6.91	7.39	8.95	6.62
1973	10.40	11.50	12.60	12.10	15.40	19.60	17.00	18.60	14.90	13.30	11.20	11.90	14.00
1974	11.90	11.40	10.60	9.80	8.75	8.33	8.29	11.40	10.30	11.30	10.70	10.30	10.30
1975	9.86	9.10	8.37	8.64	8.54	8.48	8.57	8.88	9.24	9.23	8.75	8.74	8.87
1976	8.81	8.84	8.86	8.84	9.34	11.50	12.50	11.70	12.20	11.60	11.50	12.20	10.70
1977	12.60	13.00	13.70	15.10	16.00	15.40	13.20	11.80	11.20	10.70	11.00	11.30	12.90
1978	11.30	10.90	11.30	11.90	11.80	11.90	11.90	11.50	11.50	11.80	12.30	12.40	11.70
1979	12.50	12.60	12.80	12.80	12.80	13.10	14.00	13.50	13.20	13.20	12.80	13.00	13.03
1980	12.80	12.80	12.60	12.20	12.30	12.40	12.70	13.70	14.60	15.30	16.50	16.30	13.68
1981	15.90	15.50	15.00	15.20	15.40	15.20	15.00	14.90	14.40	14.00	13.70	13.80	14.83
1982	13.70	13.90	13.70	13.80	13.90	13.90	13.70	13.50	13.20	12.90	12.90	13.0	13.51
1983	13.10	13.20											

Source: AGRICULTURAL PRICES; Economics and Statistics Service, U.S.Department of Agriculture.

U.S.SOYBEAN MEAL: AVERAGE WHOLESALE PRICE

Soybean Meal, 44% Protein[1], Average Wholesale Price per Ton, Bulk Decatur by Months, 1950-82

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Avg.
1950-51	54.05	61.45	64.70	63.90	69.25	67.00	62.00	63.40	64.40	68.80	64.60	69.75	64.45
1955-56	56.00	49.00	50.25	51.00	49.40	47.40	53.00	60.05	60.75	54.80	52.10	46.90	52.55
1960-61	48.95	44.50	51.25	55.20	61.50	64.45	73.10	71.00	63.85	65.00	68.90	59.60	60.60
1961-62	55.80	59.30	60.20	59.90	57.60	60.60	62.50	64.10	66.70	68.50	71.10	76.70	63.60
1962-63	69.00	70.60	70.50	71.90	73.10	70.80	68.30	68.10	70.40	72.00	75.20	75.20	71.30
1963-64	73.50	74.90	76.90	77.50	74.80	73.40	69.90	65.50	66.50	65.80	63.90	69.50	71.00
1964-65	69.20	66.10	67.80	68.00	69.80	68.50	69.30	68.40	74.60	74.40	69.60	76.80	70.20
1965-66	70.80	75.70	71.40	78.80	77.30	71.50	75.50	80.30	92.70	97.20	97.90	88.40	81.50
1966-67	82.20	78.90	84.60	81.70	79.50	76.60	74.50	73.70	78.10	78.20	78.70	79.20	78.80
1967-68	71.80	71.90	73.40	75.10	74.50	75.00	74.60	75.00	79.50	82.80	84.40	85.10	76.90
1968-69	78.20	73.50	71.60	69.80	69.90	72.60	73.30	76.10	77.50	77.30	76.90	72.70	74.10
1969-70	75.40	69.90	82.90	87.50	85.25	71.80	74.60	71.20	74.70	82.90	84.00	81.20	78.40
1970-71	77.25	77.90	82.00	80.25	77.50	77.00	74.25	78.25	81.50	84.25	78.75	73.25	78.50
1971-72	74.75	73.80	80.60	82.60	84.80	90.90	94.50	95.30	95.00	101.40	101.00	107.75	90.20
1972-73	109.00	123.20	174.00	188.40	218.75	199.90	203.25	314.60	412.50	311.20	285.00	208.10	229.00
1973-74	159.60	167.00	192.00	172.00	160.00	147.10	117.20	109.25	100.00	138.10	155.90	138.10	146.40
1974-75	168.20	141.00	143.40	129.20	117.25	117.75	122.00	118.50	120.90	124.00	134.40	133.70	130.90
1975-76	125.90	119.90	125.10	128.25	132.60	127.90	127.10	152.25	187.90	193.90	173.30	179.20	147.80
1976-77	169.60	181.20	197.60	207.00	211.00	226.20	275.60	258.25	225.30	162.00	140.30	143.60	199.80
1977-78	135.00	161.70	160.10	162.20	152.90	179.40	173.00	177.40	169.75	172.00	162.90	163.90	164.20
1978-79	176.80	177.10	188.75	184.90	190.90	194.00	191.10	188.00	209.60	201.60	188.90	188.60	190.00
1979-80	181.40	183.10	188.00	180.20	174.25	164.60	154.20	166.50	160.90	187.90	207.40	234.50	181.91
1980-81	246.40	261.40	223.70	223.50	212.50	210.40	222.00	221.00	200.90	204.10	202.25	190.00	218.18
1981-82	180.75	178.40	187.50	192.30	176.00	185.10	190.50	192.30	184.15	180.50	168.75	161.50	181.48
1982-83	156.95	175.00	177.80										

[1]41% 1940-50.

Source: Economic Research Service, National Economics Division, Crops Branch.

OILSEED CAKE AND MEALS: SUPPLY AND DISPOSITION

Supply, disposition and price: Year beginning in October

	Supply				Disposition				
	Stocks Oct.1[1]	Production	Imports	Total	Domestic disappearance 1,000 tons	Exports	Shipments	Total	Price per ton[2] Dollars
1974-75									
Soybean	507	16,702	–	17,209	12,502	4,299	50	16,851	130.85
Cottonseed	67	1,851	1	1,919	1,808	11	39	858	119.55
Linseed	14	232	–[3]	246	94	144	–	238	126.65
Peanut	4	151	–	155	152	–	–	152	129.30
Total	592	18,936	1	19,529	14,556	4,454	89	19,099	–
1975-76									
Soybean	358	20,754	–	21,113	15,552	5,145	61	20,758	147.75
Cottonseed	61	1,238	11	1,311	1,238	24	28	1,291	148.60
Linseed	8	227	–	236	84	143	–	227	134.55
Peanut	3	311	–	315	313	–	–	313	150.90
Total	430	22,530	11	22,974	17,187	5,312	89	22,589	–
1976-77									
Soybean	356	18,488	–	18,843	14,001	4,569	55	18,615	199.80
Cottonseed	20	1,643	2	1,665	1,524	50	32	1,606	175.80
Linseed	7	210	1	218	127	87	–	214	156.85
Peanut	2	204	–	206	203	–	–	203	207.40
Total	384	20,545	3	20,932	15,855	4,696	87	20,638	–
1977-78									
Soybean	228	22,371	–	22,599	16,209	6,080	67	22,356	164.20
Cottonseed	59	2,083	4	2,146	1,920	115	42	2,077	140.45
Linseed	4	236	4	244	83	158	–	241	137.75
Peanut	3	99	–	102	100	–	–	100	164.35
Total	294	24,789	8	25,091	18,312	6,353	109	24,774	–
1978-79									
Soybean	243	24,354	–	24,597	17,673	6,610	47	24,330	190.10
Cottonseed	69	1,886	9	1,963	1,747	150	15	1,912	164.80
Linseed	3	244	2	249	125	118	–	243	152.20
Peanut	2	104	–	106	105	–	–	105	198.50
Total	317	26,587	11	26,915	19,650	6,878	62	26,590	–
1979-80									
Soybean	267	27,105	–	27,372	19,153	7,932	61	27,146	181.90
Cottonseed	51	2,049	7	2,107	1,863	175	16	2,054	164.10
Linseed	6	207	2	215	134	76	–	210	154.40
Peanut	1	125	–	126	125	–	–	125	186.10
Total	325	29,486	9	29,820	21,275	8,183	77	29,535	–
1980-81									
Soybean	226	24,312	–	24,538	17,534	6,774	57	24,375	218.20
Cottonseed	53	1,790	–[3]	1,843	1,625	99	11	1,735	197.05
Linseed	5	260	1	266	120	142	–	262	160.55
Peanut	1	84	–	85	84	–	–	84	236.05
Total	285	26,446	1	26,732	19,363	7,015	68	26,456	–
1981-82									
Soybean	163	24,634	–	24,797	17,673	6,908	41	24,622	182.50
Cottonseed	108	2,210	–	2,318	2,039	107	18	2,164	156.15
Linseed	4	185	2	191	83	103	–	186	151.75
Peanut	1	124	–	125	124	–	–	124	182.10
Total	276	27,153	2	27,431	19,919	7,118	59	27,096	–
1982-83[4]									
Soybean	175	26,635	–	26,810	18,500	8,050	–	26,550	175.00
Cottonseed	154	1,885	–	2,039	1,864	125	–	1,979	160.00
Linseed	5	180	2	187	87	95	–	182	140.00
Peanut	1	103	–	104	102	–	–	102	175.00
Total	335	28,803	2	29,140	20,543	8,270	–	28,813	–

[1]Stocks at processing mills. [2]Soybean meal, 44% protein, bulk Decatur. Cottonseed meal, 41% protein, bulk Memphis. Peanut meal, 50% protein, southeast milling points. [3]Less than 500 tons. [4]Forecast.Source: Analysis Division, Agriculture Stabilization & Conservation Service, U.S.Department of Agriculture.

PRICES OF U.S. SOY OIL

Soy Oil, Domestic Crude: Average cents per Pound in Tank Cars at Midwestern Mills by Months 1950-81

Crop year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Season avg.**
1950-51	14.6	17.1	19.6	20.6	21.1	20.5	20.5	19.5	16.4	14.5	15.4	14.0	17.8
1955-56	10.9	11.0	10.9	11.7	12.8	14.3	14.9	15.3	13.6	12.5	11.4	11.3	12.5
1960-61	9.4	10.2	10.0	10.9	12.2	13.0	13.3	12.7	13.6	10.9	10.9	10.5	11.3
1961-62	10.7	10.4	10.5	10.5	10.2	10.1	9.9	9.3	8.4	8.0	8.2	8.1	9.5
1962-63	8.7	8.6	8.6	8.9	9.2	9.3	9.1	9.2	9.1	9.0	8.3	8.5	8.9
1963-64	9.2	9.1	8.3	8.1	8.0	8.1	7.9	8.4	8.2	8.5	8.8	9.7	8.5
1964-65	10.9	12.2	12.0	11.6	12.1	12.2	12.1	10.4	10.2	10.0	10.5	11.4	11.3
1965-66	11.5	11.2	11.2	11.9	12.0	11.3	11.6	11.3	11.2	12.3	14.1	12.3	11.8
1966-67	10.9	10.8	10.6	10.3	10.3	10.3	10.3	10.3	9.8	9.1	9.6	9.3	10.1
1967-68	8.8	8.6	8.6	8.7	9.5	9.1	8.8	8.7	7.8	7.4	7.5	7.5	8.4
1968-69	7.3	7.9	8.1	8.6	8.9	8.8	8.4	8.4	7.8	8.2	8.9	9.7	8.4
1969-70	10.6	10.9	9.6	9.6	11.5	12.2	12.2	11.3	11.1	11.5	11.6	12.1	11.2
1970-71	14.0	13.9	12.4	12.3	12.1	12.2	11.2	11.4	12.8	14.5	14.5	12.8	12.8
1971-72	13.2	12.5	11.7	10.9	11.0	11.7	11.9	11.4	10.7	10.3	10.1	9.8	11.3
1972-73	9.6	9.6	9.7	10.1	13.0	13.9	15.0	17.1	19.3	22.4	33.5	24.3	16.5
1973-74	23.1	20.4	26.0	28.6	36.4	30.2	28.2	29.4	31.6	40.5	43.3	40.7	31.5
1974-75	42.3	40.4	38.0	33.6	29.4	29.1	28.2	23.6	23.3	27.5	28.5	24.4	30.7
1975-76	21.4	18.9	16.8	16.2	16.3	16.6	16.3	15.8	17.6	20.9	20.4	22.5	18.3
1976-77	20.7	21.8	21.0	20.9	22.4	26.5	29.6	31.3	28.3	23.8	21.1	19.2	23.9
1977-78	18.8	21.0	22.6	20.9	21.6	26.6	26.8	28.8	26.9	25.9	26.3	27.8	24.5
1978-79	26.7	23.7	25.3	25.8	27.3	26.9	26.7	27.8	27.4	29.1	29.2	30.0	27.2
1979-80	27.9	27.8	26.2	23.6	23.4	22.1	20.3	20.8	21.6	26.2	25.9	26.1	24.3
1980-81	25.1	26.7	23.7	23.0	22.0	23.1	23.4	21.6	21.3	22.8	20.8	19.4	22.7
1981-82	19.7	19.9	18.9	18.4	18.2	18.5	19.7	20.6	19.4	19.0	17.9	17.4	19.0
1982-83	17.4	17.6	16.6										

**Simple average for months shown.

Source: Marketing Research Service, U.S.Department of Agriculture. Monthly prices, Oct. 1938-Dec. 1952 compiled from The National Provisioner; since February 1953 from Oil Paint and Drug Reporter. June 1969-Nov. 1978 monthly prices compiled from Chicago, Wall Street Journal. Beginning Dec. 1978 monthly prices' source, FATS & OILS OUTLOOK AND SITUATION (Feb.).

SOY OIL UTILIZATION

Utilization by Products, 1960-81(Million Pounds)

Year Beginning October	Food					Nonfood						Total Domestic Utilization
	Shortening	Margarine	Cooking and Salad Oils[1]	Other Edible	Total	Paint and Varnish	Resins and Plastics	Other Drying Oil Products	Fatty Acids	Other Inedible[2]	Total	
1960/61	1,097	1,073	793	26	2,989	96	64	4	6	30	201	3,190
1961/62	1,353	1,036	771	20	3,180	88	74	4	—	43	208	3,388
1962/63	1,222	1,069	933	15	3,239	90	78	6	1	47	222	3,461
1963/64	1,391	1,126	1,146	21	3,684	94	84	6	—	42	228	3,912
1964/65	1,404	1,107	1,100	32	3,643	94	105	5	12	45	261	3,904
1965/66	1,739	1,241	1,200	38	4,218	100	104	6	—	53	263	4,481
1966/67	1,691	1,273	1,353	58	4,375	96	97	7	—	61	261	4,636
1967/68	1,816	1,234	1,494	44	4,588	86	97	7	—	59	249	4,837
1968/69	1,978	1,290	1,967	36	5,271	87	94	7	—	61	249	5,520
1969/70	2,255	1,415	2,150	37	5,857	94	79	7	1	47	228	6,085
1970/71	2,077	1,381	2,288	34	5,780	82	65	6	3	49	205	5,985
1971/72	2,089	1,413	2,469	38	6,009	81	55	4	6	34	180	6,189
1972/73	2,230	1,491	2,469	39	6,229	81	57	4	9	35	186	6,415
1973/74	2,321	1,513	2,884	30	6,748	91	77	5	12	43	228	6,976
1974/75	1,882	1,486	2,680	22	6,070	83	58	3	16	28	188	6,258
1975/76	2,416	1,691	3,274	24	7,405	94	66	3	23	21	207	7,612
1976/77	2,189	1,568	3,221	25	7,003	85	83	4	26	32	230	7,233
1977/78	2,433	1,592	3,808	29	7,862	87	79	4	42	29	241	8,103
1978/79	2,653	1,651	3,956	38	8,298	75	88	NA	35	46	244	8,542
1979/80	2,658	1,648	4,153	35	8,493	52	80	NA	21	52	205	8,698
1980/81	2,675	1,666	4,226	43	8,610	46	71	NA	23	63	202	8,813
1981/82[3]	2,990	1,723	4,367	51	9,131	39	94	NA	22	49	203	9,334

[1]Adjusted for exports of refined and further processed salad oil. Prior to January 1965 no adjustment made for exports of undeodorized hydrogenated oil. [2]Includes soap and other miscellaneous. [3]Preliminary.
Sources: FATS & OILS OUTLOOK & SITUATION (Feb.); FATS & OILS, PRODUCTION, CONSUMPTION & STOCKS, Bureau of Census.

U.S. SOYBEAN PRICE SUPPORT OPERATIONS
1950-1982

Year beg. Oct. 1	Production (1,000 bu.)	Owned by CCC on Oct. 1 (1,000 bu.)	Under Price Support: Loans (1,000 bu.)	Under Price Support: Purchase agreements (1,000 bu.)	Under Price Support: Total (1,000 bu.)	Under Price Support: % of crop %	Deliveries to CCC (1,000 bu.)	Support rate per bu. $	Season avg. price rec'd by farmers[2] $	Price rec'd by farmers as% of parity[3] %
1945-46	193,167	—	32	—	32	0.02	—	2.04	2.08	123
1950-51	299,249	7	14,716	238	14,954	5.00	29.0	2.06	2.47	102
1955-56	373,682	6,570	27,490	2,643	30,133	8.10	2.0	2.04	2.22	82
1960-61	555,085	9,700	25,400	200	25,600	4.60	0.0	1.85	2.13	84
1961-62	678,554	0	114,700	17,800	132,500	19.50	57,200.0	2.30	2.28	79
1962-63	669,186	42,500[4]	66,600	2,200	68,800	10.30	1.2	2.25	2.34	79
1963-64	699,165	1,700	69,600	3,200	72,800	10.40	12.2	2.25	2.51	83
1964-65	700,921	3,038	28,572	—	28,572	4.10	8.0	2.25	2.62	86
1965-66	845,608	9	86,517	—	86,517	10.20	29.0	2.25	2.54	84
1966-67	928,481	1	153,142	—	153,154	16.50	25,955.0	2.50	2.75	86
1967-68	976,439	7,363[5]	200,638	—	200,638	20.50	83,488.0	2.50	2.49	75
1968-69	1,106,958	41,555[6]	336,862	—	336,862	30.50	166,327.0	2.50	2.43	71
1969-70	1,133,120	180,867[7]	179,496	—	179,496	15.90	230.0	2.25	2.35	65
1970-71	1,127,100	115,311[8]	146,416	—	146,416	13.00	37.0	2.25	2.85	75
1971-72	1,176,101	1,401	168,204	—	168,204	14.30	45.0	2.25	3.03	72
1972-73	1,270,608	—	90,555	—	90,555	7.10	6.0	2.25	4.37	88
1973-74	1,547,543	—	124,177	—	124,177	8.00	4.0	2.25	5.68	92
1974-75	1,216,287	—	34,554	—	34,554	2.80	—	2.25	6.64	96
1975-76	1,548,344	—	—	—	—	—	—	None	4.92	68
1976-77	1,288,608	—	22,471	—	22,471	1.70	4.0	2.50	6.81	90
1977-78	1,767,267	—	97,262	—	97,262	5.50	18.0	3.50	5.86	77
1978-79	1,868,754	—	64,208	—	64,208	3.40	13.0	4.50	6.66	75
1979-80	2,267,901	1	122,349	—	122,349	5.40	42.0	4.50	6.28	62
1980-81	1,792,062	19	133,192	—	133,192	7.40	56.0	5.02	7.57	65
1981-82	2,000,145	—	221,154	—	221,154	11.10	84.0	5.02	6.04	48
1982-83	2,276,976	—	—	—	—	—	—	5.02	—	—

[1]The prices shown from which the support levels were computed are comparable and parity prices originally reported as follows: 1941-49, August comparable price; 1950-55, parity prices as follows: 1950, August; 1951, January; 1955, February 1955; 1956, January. [2]State average weighted by sales to obtain national average. Prices for years in which there was a substantial volume of deliveries to CCC from loans and purchase agreements include an allowance for such deliveries valued at average loan rates. [3]Generally mid-September parity prices. [4]Excludes 11 million bushels resealed in farm storage. [5]Excludes 20 million bushels resealed in farm storage. [6]Excludes 52 million bushels resealed. [7]Excludes 103 million bushels resealed. [8]Excludes 42 million bushels resealed.
Source: Analysis Division, U.S.Department of Agriculture.

U.S. SOYBEANS: VALUE OF PRODUCTS PER BUSHEL OF SOYBEANS PROCESSED AND PRICE SPREAD, 1950-81

Year beg. Sept.	Value of products per bushel							Soybean price		Spread between value of products and soybean price	
	Soy Oil			Soybean Meal			Total value dollars	Rec'd by farmers[2] dollars	No.1 Y IL pts.[3] dollars	Rec'd by farmers dollars	No.1 Y IL pts. dollars
	Yield[1] pounds	Price[2] cents	Value dollars	Yield[1] pounds	Price[2] cents	Value dollars					
1950	9.7	17.9	1.74	46.8	3.16	1.48	3.22	2.47	2.95	.75	.27
1955	11.1	12.5	1.39	46.2	2.68	1.24	2.63	2.22	2.51	.41	.12
1960	11.0	11.2	1.23	47.0	3.00	1.41	2.64	2.13	2.53	.51	.11
1961	10.9	9.7	1.06	47.2	3.11	1.47	2.53	2.28	2.41	.25	.12
1962	10.7	8.8	.94	46.9	3.57	1.67	2.61	2.34	2.50	.27	.11
1963	10.9	8.4	.92	48.0	3.58	1.72	2.64	2.51	2.59	.13	.06
1964	10.9	11.2	1.22	47.7	3.48	1.66	2.88	2.62	2.81	.26	.07
1965	10.7	11.8	1.26	47.5	4.02	1.91	3.17	2.54	2.91	.63	.26
1966	10.7	10.4	1.11	47.7	3.98	1.90	3.01	2.75	2.86	.26	.15
1967	10.6	8.6	.91	47.7	3.82	1.82	2.73	2.49	2.61	.24	.12
1968	10.6	8.2	.87	47.4	3.76	1.78	2.66	2.43	2.54	.23	.12
1969	10.7	11.0	1.17	47.4	3.89	1.84	3.01	2.35	2.53	.66	.48
1970	10.8	12.8	1.38	47.4	3.96	1.88	3.26	2.85	3.00	.41	.26
1971	11.0	11.5	1.27	47.4	4.36	2.07	3.33	3.03	3.24	.30	.09
1972	10.6	15.2	1.62	47.0	11.03	5.19	6.81	4.37	6.21	2.44	.60
1973	10.8	30.2	3.25	47.2	7.61	3.59	6.84	5.68	6.12	1.16	.72
1974	10.5	32.1	3.37	47.5	6.56	3.12	6.49	6.15[4]	6.32	.34	.17
1975	10.9	18.5	2.02	47.3	7.20	3.40	5.42	4.92	5.26	.50	.16
1976	11.1	24.1	2.67	47.8	10.14	4.85	7.52	6.81	7.33	.71	.19
1977	10.9	23.8	2.59	47.3	8.09	3.83	6.42	5.88	6.14	.54	.28
1978	11.1	27.0	2.99	47.6	9.40	4.48	7.47	6.66	7.11	.81	.36
1979	10.8	24.7	2.66	48.0	8.91	4.28	6.93	6.28	6.51	.65	.42
1980[5]	11.1	23.1	2.56	47.9	11.10	5.32	7.88	7.51	7.67	.37	.21
1981[6]	10.7	19.1	2.05	47.9	9.25	4.43	6.48	6.05	6.26	.43	.22

[1]Actual outturn of oil and meal as calculated from Bureau of Census Reports. [2]Simple average of monthly cash prices per pound using the following quotations: soybean oil, crude, tank cars, F.O.B. Decatur, IL.: soybean meal, bulk, 44% protein, Decatur, Il . [3]Season average price received by farmers weighted by the estimated percent of crops sold each month. [4]Simple average of monthly prices. [5]Preliminary. [6] Economics and Statistics Service estimate. Source: FATS & OILS OUTLOOK AND SITUATION (Feb.).

U.S. SOYBEANS: SUPPLY AND DISPOSITION

Soybeans: Supply, Disposition, Acreage and Price, 1972-82

	Year beginning September										
	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981[1]	1982[2]
	Supply and Disposition (Million Bushels)										
Supply											
Beginning stocks, Sept. 1	72.0	59.6	170.8	188.2	244.9	102.9	161.0	174.0	359.0	318.0	266.0
Production	1,270.6	1,547.5	1,216.3	1,547.4	1,287.6	1,761.8	1,869.0	2,268.0	1,792.0	2,000.0	2,277.0
Total Supply	1,342.6	1,607.1	1,387.1	1,735.6	1,532.5	1,864.7	2,030.0	2,442.0	2,151.0	2,318.0	2,543.0
Disposition											
Crushings	721.8	821.3	701.3	865.1	790.2	926.7	1,018.0	1,123.0	1,020.0	1,030.0	1,115.0
Exports	479.4	539.1	420.7	555.1	564.1	700.5	739.0	875.0	724.0	929.0	950.0
Seed	60.8	56.1	57.2	53.5	61.0	68.0	75.0	67.0	65.0	69.0	69.0
Feed	1.1	1.2	1.0	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Residual	19.9	18.6	18.8	15.8	13.3	7.5	23.0	17.0	23.0	23.0	18.0
Total disposition	1,283.0	1,436.3	1198.9	1490.7	1,429.6	1,703.7	1,856.0	2,083.0	1,833.0	2,052.0	2,153.0
Ending stocks, Aug.31	59.6	170.8	188.2	244.9	102.9	161.0	174.0	359.0	318.0	266.0	390.0
	Acreage and Yield (Million Acres)										
Acreage planted	46.9	56.6	52.5	54.6	50.2	58.8	64.7	71.6	70.0	67.8	72.2
Acreage harvested for beans	45.7	55.7	51.3	53.6	49.4	57.6	63.6	70.6	67.9	66.4	70.8
Percent harvested (%)	97.4	98.4	97.7	98.3	98.2	97.9	98.3	98.5	96.9	98.1	98.1
						(Bushels)					
Yield per acre harvested	27.8	27.7	23.2	28.9	26.1	30.6	29.4	32.1	26.4	30.1	32.2
						Price (Dollars)					
Price per bushel											
Support (U.S.farm basis)	2.25	2.25	2.25	—	2.50	3.50	4.50	4.50	5.02	5.02	5.02
Received by farmers	4.37	5.68	6.64	4.92	6.81	5.88	6.66	6.28	7.51	6.04	5.48
No. 1 yellow, IL pts.	6.22	6.12	6.32	5.26	7.33	6.14	7.11	6.51	7.67	6.26	—
No. 1 yellow, Chicago	6.26	6.12	6.33	5.25	7.36	6.11	7.09	6.46[3]	7.59[3]	6.24[3]	—

[1]Preliminary. [2]Forecast. [3]Marketing year beginning September 1, Agricultural Outlook, Jan./Feb. 1983.
Source: FATS & OILS OUTLOOK AND SITUATION; Economics and Statistics Service, U.S. Department of Agriculture.

U.S. SOYBEAN MEAL: PRODUCTION, STOCKS AND DISAPPEARANCE

Soybean Cake and Meal: Production, Stocks, Foreign Trade and Domestic Disappearance, 1975-82
(1,000 short tons)

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
1975-76													
[1]Stocks	358.3	396.1	441.4	371.4	378.1	419.5	358.3	366.8	462.8	369.8	406.9	350.5	—
Production	1,700.5	1,697.0	1,807.8	1,748.3	1,616.5	1,820.0	1,830.2	1,890.8	1,771.8	1,670.3	1,556.2	1,644.8	20,754.2
Exports	279.4	353.4	435.9	543.3	392.5	498.0	656.7	383.1	481.9	384.3	436.7	360.8	5,206.0
Domestic disappearance	1,383.3	1,298.3	1,441.9	1,198.3	1,182.6	1,383.2	1,173.0	1,403.7	1,382.9	1,248.9	1,175.9	1,279.6	15,551.6
1976-77													
[1]Stocks	354.9	423.5	427.7	353.9	384.7	429.9	412.6	449.0	408.3	390.7	399.0	270.1	—
Production	1,747.2	1,763.4	1,741.3	1,725.1	1,709.2	1,771.0	1,596.0	1,454.0	1,339.5	1,211.4	1,189.0	1,243.1	18,488.1
Exports	412.3	405.3	470.5	462.9	307.1	645.8	370.5	479.4	240.7	246.1	280.7	292.6	4,613.9
Domestic disappearance	1,266.3	1,353.9	1,344.6	1,231.4	1,356.9	1,142.5	1,189.1	1,015.3	1,116.4	956.9	1,034.9	992.6	14,000.8
1977-78													
[1]Stocks	228.3	270.0	239.7	245.1	251.7	239.7	227.4	298.5	263.3	191.0	262.6	234.1	—
Production	1,781.4	2,017.3	2,044.1	2,006.7	1,778.5	2,050.0	1,875.1	1,959.7	1,725.2	1,680.7	1,757.9	1,696.0	22,372.6
Exports	238.9	533.9	520.6	618.6	454.6	721.5	659.3	508.9	540.7	399.4	470.6	422.7	6,080.0
Domestic disappearance	1,500.8	1,506.5	1,518.0	1,376.1	1,328.9	1,334.9	1,142.2	1,478.9	1,252.9	1,204.7	1,307.6	1,259.1	16,210.6
1978-79													
[1]Stocks	242.9	239.5	205.9	289.1	242.2	225.0	238.2	264.7	237.2	239.0	262.4	173.7	—
Production	2,114.7	2,135.4	2,292.2	2,158.3	1,954.8	2,121.6	1,989.0	2,065.1	1,979.3	1,898.3	1,757.9	1,821.7	24,354.1
Exports	477.5	507.5	738.5	658.9	526.5	903.7	507.5	453.6	502.9	543.7	410.3	379.1	6,609.8
Domestic disappearance	1,640.6	1,661.5	1,470.5	1,546.2	1,445.5	1,204.7	1,454.9	1,638.9	1,474.6	1,331.2	1,502.3	1,348.9	17,719.8
1979-80													
[1]Stocks	267.4	234.3	195.2	240.5	184.3	191.3	251.1	226.1	299.0	302.1	267.8	262.1	—
Production	2,286.8	2,433.3	2,506.1	2,555.1	2,400.0	2,454.4	2,203.1	2,247.1	1,987.8	2,058.4	2,011.5	1,962.5	27,105.1
Exports	513.7	552.1	757.4	806.6	930.1	881.1	661.2	750.7	558.0	577.8	384.1	559.9	7,931.9
Domestic disappearance	1,805.2	1,920.3	1,703.4	1,804.7	1,462.9	1,513.5	1,566.9	1,423.5	1,426.7	1,514.9	1,633.1	1,439.9	19,215.0
1980-81													
[1]Stocks	225.6	242.4	381.4	249.7	242.6	248.1	271.4	211.7	287.6	241.1	188.8	233.8	—
Production	2,325.7	2,366.5	2,248.5	2,207.8	1,905.3	2,141.1	2,045.9	1,963.2	1,765.3	1,734.4	1,787.8	1,820.6	24,312.1
Exports	452.0	463.3	751.5	660.6	760.6	942.2	800.3	526.4	387.1	320.0	416.9	297.3	6,778.2
Domestic disappearance	1,856.9	1,764.1	1,628.7	1,554.3	1,139.2	1,175.6	1,305.3	1,360.9	1,424.7	1,466.7	1,325.9	1,594.4	17,596.8
1981-82													
[1]Stocks	182.7	309.2	314.8	279.4	315.7	324.9	190.3	172.1	309.3	224.9	209.1	189.7	—
Production	2,501.8	2,325.8	2,460.6	2,265.6	2,077.4	2,049.9	1,930.5	2,066.0	1,844.3	1,684.4	1,619.6	1,818.5	24,634.4
Exports	584.6	631.7	666.1	673.6	928.8	713.4	679.2	643.8	457.7	346.6	346.7	235.3	6,907.5
Domestic disappearance	1,770.7	1,688.5	1,819.9	1,555.7	1,139.4	1,471.1	1,269.5	1,285.0	1,471.0	1,353.6	1,292.3	1,597.7	17,714.4

[1]Beginning of month.
Source: FATS & OILS OUTLOOK AND SITUATION (Feb.).

U.S. EXPORTS OF SOYBEANS

Exports by Months, Crop Years 1953-1982 (Million Bushels)

Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Total
1953	1.1	5.8	10.1	7.7	3.7	2.5	1.7	3.2	1.6	1.0	1.0	.7	40.1
1955	4.0	8.8	13.2	12.7	6.8	2.6	1.9	5.1	4.3	3.7	3.7	1.7	68.6
1960	8.2	14.1	22.7	20.6	9.1	10.2	8.5	7.7	11.4	7.7	7.7	7.0	134.7
1961	3.6	20.7	23.6	16.5	10.9	10.3	11.0	11.7	12.7	11.9	8.1	8.4	149.4
1962	7.3	22.4	27.4	18.7	3.7	19.3	14.4	14.1	11.6	15.6	14.3	11.8	180.5
1963	7.2	19.8	21.3	21.8	17.0	16.2	13.6	17.6	14.0	13.0	11.9	13.7	187.2
1964	11.1	29.5	27.4	24.4	2.9	11.3	25.0	17.6	17.8	16.1	17.4	11.7	212.2
1965	4.8	32.3	39.4	31.4	19.6	17.1	21.6	20.2	21.5	19.6	12.1	11.1	250.6
1966	5.5	29.4	40.6	29.8	21.9	20.4	17.5	21.7	21.8	20.0	16.8	16.2	261.6
1967	10.3	29.7	39.9	27.2	21.8	18.8	24.1	21.6	20.1	18.7	17.1	17.5	266.6
1968	13.9	32.8	50.0	38.5	1.2	11.4	36.6	34.3	23.8	14.0	18.2	12.1	286.8
1969	13.3	52.5	53.7	39.9	28.7	31.6	39.2	41.2	37.1	38.5	25.2	31.6	432.6
1970	29.9	44.0	45.3	46.9	35.1	33.0	35.1	32.8	30.2	34.9	34.4	31.3	433.8
1971	29.2	29.4	47.4	50.3	42.4	35.5	31.3	37.3	31.7	31.1	26.3	24.9	416.8
1972	15.0	54.3	61.2	49.1	47.7	54.7	59.1	45.5	41.0	26.5	14.2	11.0	479.4
1973	7.5	46.6	74.4	58.0	48.3	56.4	57.9	62.0	43.5	36.1	27.1	21.2	539.1
1974	22.9	32.2	63.2	41.4	50.0	33.3	38.4	35.8	25.1	14.0	31.0	33.4	420.7
1975	24.3	62.7	61.5	49.6	51.8	52.2	52.3	50.5	49.5	47.2	29.2	24.3	555.1
1976	22.2	60.1	67.4	56.7	50.9	59.9	58.4	57.0	55.1	31.0	27.2	18.1	564.1
1977	15.0	77.6	87.7	57.0	52.6	54.4	66.6	72.7	79.3	63.4	34.7	39.3	700.3
1978	38.0	87.5	101.7	70.6	77.0	53.2	83.6	67.8	47.0	41.0	32.7	39.7	739.8*
1979	40.8	88.8	118.1	78.3	85.8	73.0	69.3	81.3	74.2	58.7	49.1	57.7	875.1
1980	41.4	60.3	75.0	74.5	71.7	55.5	103.2	60.0	69.6	41.8	29.6	41.8	724.3
1981	50.9	100.8	103.7	73.6	84.3	89.4	79.0	85.7	90.6	59.8	53.8	57.5	929.1
1982	58.0	94.4	93.6	90.1									

*Bureau of Census figure. USDA figure 753., based on inspections for export. Figures may be adjusted in the future. Source: FATS & OILS OUTLOOK AND SITUATION (Feb.); Economic Research Service, U.S. Department of Agriculture.

IMPORTS, EXPORTS CAKE AND MEAL

Year beginning October 1932-1982
(1,000 Short Tons)

	IMPORTS						EXPORTS					
Year	Cotton-seed	Soy-bean	Lin-seed	Pea-nut	Copra	Total	Cotton-seed	Soy-bean	Lin-seed	Pea-nut	Copra	Total
1932	3.0	28.3	11.2	12.3	7.1	51.9	145.8	★	168.0	★	★	313.8
1933	5.0	25.0	8.7	1.2	27.9	67.8	63.1	★	241.7	★	★	304.8
1934	47.4	64.2	10.2	3.5	51.5	176.8	2.9	★	205.5	★	★	208.4
1935	5.7	20.0	17.2	1.9	49.3	94.1	10.6	★	210.6	★	★	221.2
1936	26.8	55.7	15.9	9.6	73.0	181.0	12.6	★	328.8	★	★	341.4
1937	4.6	15.5	5.3	2.2	39.8	67.4	88.5	★	240.3	★	★	328.8
1938	4.4	12.3	7.8	10.5	53.9	88.9	11.6	35.0	286.6	★	★	333.2
1939	33.0	12.1	1.3	9.8	88.4	144.6	4.9	62.3	146.7	★	★	213.9
1940	52.2	8.1	.6	7.5	84.0	152.4	.9	25.4	4.8	★	★	31.1
1941	37.3	0.0	.2	7.1	22.6	67.2	1.1	19.7	11.1	★	★	31.9
1942	46.8	0.0	1.0	4.6	0.0	52.4	1.7	20.9	4.2	.1	.1	27.0
1943	96.3	0.0	2.5	3.6	0.0	102.4	.6	16.1	1.5	.1	.1	18.4
1944	87.4	0.0	10.0	2.5	.1	100.0	—[2]	10.0	.7	.4	.1	11.2
1945	47.6	—[2]	1.2	3.1	1.5	53.4	—[2]	.9	.3	.1	.1	1.4
1946	15.6	0.0	—[2]	1.1	.5	17.2	5.3	141.7	4.6	26.2	5.1	182.9
1947	13.8	0.0	8.8	3.1	7.0	32.7	9.6	95.7	28.5	3.7	0.0	137.5
1948	39.4	3.2	8.1	.9	44.3	95.9	121.7	150.1	54.0	21.1	0.0	346.9
1949	104.8	26.1	4.8	6.2	56.4	198.3	123.6	47.4	6.5	48.9	0.0	226.4
1950	90.7	32.8	1.0	1.1	65.8	191.4	13.2	181.1	29.2	24.0	.3	247.8
1951	201.9	24.1	23.3	5.2	104.2	358.7	35.0	41.8	7.0	2.2	—[2]	86.0
1952	135.6	41.1	26.4	3.5	96.5	303.1	55.2	46.8	—[2]	—[2]	—[2]	102.0
1953	69.8	15.6	.6	.7	79.8	166.5	66.1	66.5	34.2	1.4	★	168.2
1954	32.3	0.0	0.0	0.0	62.8	95.1	167.8	271.7	75.0	1.6	★	516.1
1955	59.4	0.0	0.0	0.0	44.9	104.3	155.7	400.4	152.6	30.0	★	738.7
1956	54.6	.1	2.5	0.0	66.6	123.8	30.1	443.2	42.7	15.0	★	531.0
1957	71.6	1.4	7.9	0.0	67.5	148.4	7.2	300.0	5.9	1.7	★	322.6
1958	127.5	—[2]	4.0	0.0	30.6	162.1	27.3	512.2	31.2	★	★	570.7
1959	32.3	.1	2.1	0.0	8.1	42.6	140.2	648.7	62.6	★	★	851.5
1960	45.8	0.0	2.1	0.0	18.0	65.9	46.2	589.7	30.9	0.0	0.0	666.7
1961	75.5	0.0	2.1	0.0	15.5	93.1	25.8	1063.7	28.1	0.0	0.0	1117.6
1962	42.0	0.0	.7	0.0	8.9	51.6	84.9	1475.7	52.1	0.0	0.0	1612.7
1963	30.1	0.0	.8	0.0	22.9[1]	53.8	54.3	1478.4	61.3	0.0	11.5[1]	1624.2
1964	20.1	0.0	1.2	0.0	13.6[1]	34.9	138.8	2036.1	72.8	0.0	22.6[1]	2270.4
1965	44.4	0.0	1.0	0.0	7.1[1]	52.5	98.8	2601.6	113.7	0.0	53.9[1]	2868.0
1966	58.8	0.0	5.8	0.0	14.8[1]	79.9	7.2	2656.6	93.4	0.0	32.8[1]	2790.1
1967	44.3	0.0	.3	0.0	4.0[1]	48.6	3.3	2899.4	103.7	0.0	81.4[1]	3087.9
1968	29.5	0.0	1.7	0.0	4.0[1]	35.2	15.0	3044.3	78.5	0.0	61.0[1]	3198.9
1969	1.1	0.0	1.9	0.0	6.7[1]	9.7	18.8	4035.3	83.5	0.0	50.5[1]	4188.4
1970	0.0	0.0	1.5	0.0	2.2[1]	3.7	27.0	4559.1	110.1	0.0	76.5[1]	4772.7
1971	.1	0.0	3.0	0.0	10.6[1]	13.7	6.3	3805.4	143.5	0.0	90.3[1]	4045.5
1972	4.3	0.0	2.2	0.0	NA	6.5	24.0	4744.8	142.7	0.0	NA	4911.5
1973	4.6	0.0	13.6	0.0	NA	18.2	69.0	5547.6	106.7	0.0	NA	5723.3
1974	1.0	0.0	0.0	0.0	NA	1.0	11.4	4298.8	143.6	0.0	NA	4453.8
1975	11.4	0.0	0.0	0.0	NA	11.4	24.1	5144.8	143.1	0.0	NA	5312.0
1976	2.0	0.0	1.0	0.0	NA	3.0	50.0	4559.0	87.0	0.0	NA	4696.0
1977	0.0	4.0	4.0	0.0	NA	8.0	115.0	6080.0	158.0	0.0	NA	6353.0
1978	9.0	0.0	2.0	0.0	NA	11.0	150.0	6610.0	118.0	0.0	NA	6878.0
1979	7.0	0.0	2.0	0.0	NA	9.0	175.0	7932.0	76.0	0.0	NA	8183.0
1980	—[3]	0.0	1.0	0.0	NA	1.0	99.0	6774.0	142.0	0.0	NA	7015.0
1981	0.0	0.0	2.0	0.0	NA	2.0	107.0	6908.0	103.0	0.0	NA	7118.0
1982[4]	0.0	0.0	2.0	0.0	NA	2.0	125.0	8050.0	95.0	0.0	NA	8270.0

★Not separately reported. †Calendar year following. [1]Includes copra and other cake and meal no longer separately reported by Census. [2]Less than 50 tons. [3]Less than 500 tons. [4]Forecast.
Source: Analysis Division, Agriculture Stabilization & Conservation Services, U.S. Department of Agriculture.

U.S. SOYBEANS: EXPORTS BY COASTAL AREAS AND COUNTRY OF DESTINATION FROM CANADA AND THE U.S.

September 1981 - August 1982 (1,000 Bushels)

Country	Canadian Ports	Great Lakes	Atlantic	Gulf	Totals 1980-81	Totals 1981-82
Australia	0	378	0	0	1,197	378
Belgium	0	1,874	0	50,904	25,849	52,778
Brazil	0	0	0	6,638	2,849	6,638
Canada	0	9,217	0	0	10,309[1]	9,217
China:						
Mainland	0	0	0	13,545	18,174	13,545
Taiwan	0	0	9,173	29,457	38,706	41,864[5]
Colombia	0	0	0	3,394	0	3,394
Denmark	99	486	3,636	1,591	5,849	5,812
Dominican Republic	0	0	0	779	910	779
Ecuador	0	0	0	593	276	593
Egypt	0	565	1,102	1,386	687	3,053
El Salvador	0	0	0	110	0	110
France	0	1,899	5,687	21,688	15,604	29,274
Germany, Fed Rep. of (W)	0	425	423	61,973	55,161	62,821
Greece	0	309	0	5,111	5,560	5,420
Haiti	0	0	0	2,767	105	2,767
Indonesia	0	0	869	7,175	11,066	11,585[6]
Israel	2,337	0	6,712	9,404	15,726	18,453
Italy	0	0	0	43,497	35,443	43,497
Jamaica	0	0	0	2,086	2,473	2,086
Japan	3,895	2,085	16,605	117,039	140,459[2]	158,967[7]
Korea, Rep. of	0	0	0	17,123	17,191	18,730[8]
Kuwait	0	0	0	533	0	533
Lebanon	0	0	833	1,286	1,149	2,119
Malaysia	0	0	768	3,056	1,653	4,556[9]
Mexico	0	0	0	5,747	33,219[3]	9,143[10]
Morocco	0	0	0	393	577	393
Netherlands	2,112	1,920	2,047	198,916	144,145	204,995
Nicaragua	0	0	0	345	528	345
Norway	0	0	2,564	8,584	5,783	11,148
Peru	0	0	0	255	0	255
Philippines	0	0	0	1,755	588	1,755
Poland	0	0	0	1,728	5,754	1,728
Portugal	0	0	6,816	6,238	7,911	13,054
Rep. So. Africa	0	0	88	110	0	198
Romania	1,253	638	3,390	3,966	4,628	9,247
Saudi Arabia	570	0	0	0	0	570
Spain	7,593	8,157	19,620	75,064	60,905	110,434
United Kingdom	217	3,963	7,084	13,648	19,609	24,912
Unknown	797	0	0	0	1,139	797
U.S.S.R.	0	0	699	22,288	0	22,987
Venezuela	0	0	626	1,757	2,633	2,383
Yugoslavia	0	0	77	6,319	8,311	6,396
Totals: 1980-81	33,441	29,327	71,764	556,348	704,336[4]	—
Totals: 1981-82	18,873	31,916	88,819	748,248	—	919,709

The quantity of grain inspected at U.S. ports for shipment to Canada is reduced by the amount of U.S. grain exported from Canadian ports as reported by Canadian Grain Commission. It is assumed this residual amount of grain is held in Canada for later export or consumption. [1]Includes 41 bushels shipped from Interior points. [2]Includes 853 bushels shipped from Pacific ports. [3]Includes 12,562 bushels shipped from Interior points. [4]Includes 13,456 bushels shipped from Pacific and Interior points. [5]Includes 3,234 bushels shipped from Pacific ports. [6]Includes 3,541 bushels shipped from Pacific ports. [7]Includes 19,343 bushels shipped from Pacific ports. [8]Includes 1,607 bushels shipped from Pacific ports. [9]Includes 732 bushels shipped from Pacific ports. [10]Includes 3,396 bushels shipped from Pacific and Interior points.

Source: GRAIN MARKET NEWS, U.S. Department of Agriculture.

SOY AND COTTONSEED OIL EXPORTS

U.S. Commercial and P.L. 480 Exports
By Country of Destination, and Total Value, 1978-1981[1]

Year Beginning in October

Country of Destination	1978/79 P.L. 480	1978/79 Com.[2]	1978/79 Total	1979/80 P.L. 480	1979/80 Com.[2]	1979/80 Total	1980/81 P.L. 480	1980/81 Com.[2]	1980/81 Total	1981/82 P.L. 480	1981/82 Com.[2]	1981/82 Total
	Million Pounds											
North America												
Canada	—	59	59	—	44	44	—	23	23	—	22	22
Dominican Republic	20	135	155	2	111	113	2	126	128	41	82	123
Haiti	3	35	38	6	45	51	6	43	49	15	5	20
Mexico	—	11	11	—	70	70	—	48	48	—	201	201
Others	—	88	88	—	148	148	10	122	138	43	149	192
Total	23	328	351	8	418	426	18	362	380	99	459	558
South America												
Argentina	—	—	—[3]	—	—	—[3]	—	—	—[3]	—	—	—
Brazil	—	—	—	—	168	168	—	—	—	—	13	13
Chile	2	48	50	1	28	29	2	48	50	1	3	4
Colombia	—[3]	185	185	—[3]	182	182	—	133	133	—	170	170
Ecuador	—[3]	50	50	—[3]	78	78	1	84	85	1	79	80
Peru	29	36	65	7	73	80	10	81	91	10	94	104
Venezuela	1	94	95	—	181	181	—	358	358	—	295	295
Others	—	10	10	—	3	3	—	8	8	4	—	4
Total	32	423	455	8	713	721	13	712	725	16	654	670
Western Europe												
Spain	—	—	—	—	—[3]	—[3]	—	2	2	—	—	—
Sweden	—	—[3]	—[3]	—	1	1	—	—[3]	—[3]	—	—	—
Germany, West	—	3	3	—	—[3]	—[3]	—	—[3]	—[3]	—	6	6
Netherlands	—	9	9	—	27	27	—	18	18	—	22	22
Greece	—	—[3]	—[3]	—	9	9	—	10	10	—	—	—
Italy	—	[3]	—[3]	—	—[3]	—[3]	—	—[3]	—[3]	—	—	—
Belgium-Luxembourg	—	1	1	—	—[3]	—[3]	—	—[3]	—[3]	—	—	—
United Kingdom	—	5	5	—	1	1	—	3	3	—	9	9
Others	—	9	9	—	7	7	—	—	—	—	—	—
Total	—	27	27	—	45	45	—	33	33	—	37	37
Eastern Europe												
Poland	—	52	52	—	8	8	—	34	34	14	8	22
Yugoslavia	—	—	—	—	—	—	—	59	59	—	35	35
Others	—	—	—	—	54	54[4]	—	2	2	—	—	—
Total	—	52	52	—	62	62[4]	—	95	95	14	43	57
Africa												
Algeria	—	—	—[3]	—	—	—[3]	—	—	—	—	—	—
Egypt	13	315	328	12	347	359	8	166	174	13	346	359
Guinea	4	—	4	—	—	—[3]	—	3	3	—	—	—
Morocco	5	8	13	5	—	5	10	1	11	6	16	22
Tunisia	3	13	16	1	—	1	4	—	4	—[3]	—	—
Others	31	33	64	—	96	96	8	91	99	72	49	121
Total	56	369	425	18	443	461	30	261	291	91	411	502
Asia and Oceania												
Australia	—	36	36	—	36	36	—	36	36	—	51	51
Bangladesh	17	84	101	—	46	46	1	55	56	55	20	75
Burma	—	—	—	—	—	—	—		—	—	—	—
China:												
Mainland	—	130	130	—	220	220			56	—	—	—
Taiwan	—	—	—	—	—	—	—	[illegible]	—[3]	[illegible]	4	4
Hong Kong	—	4	4	—	—	—	—	—[3]	—[3]	—	7	7
India	57	342	399	48	895	943	58	138	196	—	150	150
Iran	—	489	489	—	—	—	—	—	—	—	—	—
Israel	—	22	22	—	21	21	—	11	11	—	2	2
Japan	—	82	82	51	—	51	—	101	101	273	187	187
Pakistan	19	341	360	135	190	325	23	254	277	—	303	576
South Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Turkey	—	—	—	—	7	7	—	—	—	—	—	—
Others	60	2	62	54	—	54	8	73	81	45	2	47
Total	153	1,532	1,685	288	1,415	1,703	90	724	814	373	726	1,099
Grand Total	264	2,731	2,995	322	3,096	3,418	151	2,187	2,338	593	2,330	2,923
Value of exports												
Total (mil. $)			903			995			662			709
Per Pound (cents)			30.2			29.1			28.3			24.2

[1]Census data. Breakdown between Public Law 480 (Titles I/III and II) and commercial provided by the Oilseeds and Products Division, FAS. [2]CCC Credit Programs. [3]Less than 500,000 pounds. [4]Includes 54 million pounds to the Soviet Union.

EXPORTS VEGETABLE OILS

U.S. Commercial and P.L. 480 Exports

Year[1]	Commercial				P.L. 480			Grand Total	% P.L.480
	Barter	CCC Credit	Other[2]	Total	Title I[3]	Title II[3]	Total		
				Million Pounds					
SOY OIL									
1950/51	—	—	490	490	—	—	—	490	—
1955/56	—	—	274	274	282	—	282	556	51
1960/61	—	—	283	283	417	21	438	721	61
1961/62	—	—	624	624	466	218	684	1,308	52
1962/63	—	—	513	513	540	112	652	1,165	56
1963/64	31	—	509	540	520	45	565	1,106	51
1964/65	131	—	477	608	539	193	732	1,340	55
1965/66	176	21	182	379	324	220	544	923	59
1966/67	132	47	90	269	522	286	808	1,077	75
1967/68	67	18	47	132	618	213	831	963	86
1968/69	75	—	54	129	573	168	741	870	85
1969/70	444	53	145	642	604	174	778	1,420	55
1970/71	599	209	131	939	564	239	803	1,742	46
1971/72	202	273	188	663	394	341	735	1,398	53
1972/73	98	190	390	678	177	210	387	1,065	36
1973/74	—	—	1,159	1,159	168	108	276	1,435	19
1974/75	—	—	884	884	33	111	144	1,028	14
1975/76	—	—	779	779	182	15	197	976	20
1976/77	—	—	1,060	1,060	278	210	488	1,548	32
1977/78	—	—	1,470	1,470	368	219	587	2,057	29
1978/79	—	—	1,993	1,993	100	241	341	2,334	15
1979/80	—	203	2,176	2,196	228	266	494	2,690	18
1980/81	—	186	1,486	1,040	295	296	591	1,631	36
1981/82[4]	—	340	1,990	2,330	399	194	572	2,077	28
COTTONSEED OIL									
1950/51	—	—	57	57	—	—	—	57	—
1955/56	3	—	306	309	290	6	296	605	49
1960/61	—	—	287	287	68	14	82	369	22
1961/62	—	—	183	183	202	86	288	471	61
1962/63	—	—	206	206	132	51	183	389	47
1963/64	—	—	328	328	221	35	256	584	44
1964/65	73	—	367	440	106	93	199	639	31
1965/66	51	—	154	205	65	2	67	272	25
1966/67	38	4	33	75	—	1	1	76	1
1967/68	19	—	28	47	—	2	2	49	4
1968/69	69	—	68	137	—	2	2	139	1
1969/70	43	60	348	451	—	1	1	452	—[5]
1970/71	186	22	153	361	9	1	10	371	3
1971/72	182	50	214	446	55	1	6	452	1
1972/73	232	89	255	576	6	—	6	582	1
1973/74	—	—	563	563	—	—	—	563	—
1974/75	—	—	685	685	—	—	—	685	—
1975/76	—	—	507	507	—	—	—	507	—
1976/77	—	—	690	690	—	—	—	690	—
1977/78	—	—	758	758	—	—	—	758	—
1978/79	—	—	650	650	11	—	11	661	2
1979/80	—	—	710	710	12	—	12	722	2
1980/81	—	—	706	706	4	—	4	710	1
1981/82[4]	—	—	826	826	21	—	21	847	2

[1]Year beginning in October. [2]Includes dollar financing by AID. [3]Includes all sales programs, i.e., foreign currencies, relief agencies and disaster and other relief by AID. [4]Preliminary. [5]Insignificant.
Source: Total exports as reported by Bureau of Census. Breakdown between dollars and P.L.480 from Oilseeds and Products Division, FAS.

Terms used in conjunction with the processing of soybeans and the utilization of soy oil and other soy products.

Soybean(s) — A legume, the botanical name of which is Glycine max (L.) Merrill; a summer annual varying in height from less than a foot to more than 6 feet and in habit of growth from stiffly erect to prostrate; the cultivated plant may reach a height of 3 feet or more; the seeds (soybeans) are borne in pods that grow in clusters of three to five with each pod usually containing two or three or more seeds; the oil content of the soybean varies from 13% to 26% (average 18% to 22%) and from 38% to 45% of protein (on a moisture-free basis); grown for centuries in the Orient and first introduced to the United States early in the 19th century; soybeans grow best in areas having hot, damp summer weather but they can be grown under a great variety of climatic conditions; the term "soybean" has been accepted as standard in the United States in preference to "soya bean," "soy bean," "soya-bean," or "soja bean"; it is incorrect to use the term "beans" when referring to soybeans.

Soybean Processor — An individual, or a group of two or more individuals working together as a company or firm, whose primary business is the separation of the oil and meal in soybeans; the activities of a processor may also include refining and/or distribution of the oil as well as distribution of the soybean meal or soy protein.

Soybean Processing — The procedures involved in the separation of the oil and the protein meal; there are two types of processes presently used in the United States for this purpose:

(1) **Solvent Extraction** — The process whereby the oil is leached or washed (extracted) from flaked soybeans by the use of hexane as the solvent; the level of oil in the extracted flakes can be reduced to 1% or less by this processing method; the products resulting from the use of this process are designated in the trade as "solvent extracted," e.g. "solvent extracted soybean meal," "dehulled solvent extracted soybean meal," "solvent extracted soy grits," "solvent extracted soy flour." Practically all soybeans processed in the United States are processed by the solvent extraction system.

(2) **Mechanical Processing** — A continuous pressing process, at elevated temperatures, using expellers or screw presses which utilize a worm shaft continuously rotating within a pressing cylinder or cage to express the oil from soybeans after they have been ground and properly conditioned; the oil content of the resulting press cake is reduced to from 4% to 6% by this processing method; although technically incorrect, the products resulting from this type of processing are often referred to as "expeller," e.g. "expeller soybean meal," the term "Expeller" applies specifically to the screw press manufactured by Anderson IBEC of Strongsville, Ohio, whereas the screw press manufactured by the French Oil Mill Machinery Co. of Piqua, Ohio, is designated as a "mechanical screw press."

A third type of processing, called **Hydraulic Pressing,** is not used at present in the United States to any appreciable extent but is used in some parts of the world for recovering the oil from soybeans and other oil-bearing materials; it is the oldest process known to the vegetable oil processing industry; it consists of an intermittent pressing operation carried out at elevated temperatures in a hydraulic press after the soybeans have been rolled into flakes and properly conditioned by heat treatment.

Crude Soy Oil — Sometimes referred to as crude raw soybean oil; the unrefined oil produced by any one of the procedures described for the processing of soybeans; it is customary to filter the oil and/or allow it to settle after being processed from the soybeans as required by the standard trade specifications.

A mixture of triglycerides composed of unsaturated fatty acids (oleic, linoleic, linolenic) and saturated fatty acids, together with usually not more than 1.5% of free fatty acids and from 1.8% to 3.2% of phospholipids, depending on the quality and kind of soybeans and the procedure used in the processing.

Edible Crude Soy Oil — Soy oil which shall be of any of the following designated types produced from domestic-grown, mature yellow soybeans: (1) expeller pressed, (2) expeller pressed degummed, (3) hydraulic pressed, (4) hydraulic pressed degummed, (5) solvent extracted, (6) solvent extracted degummed and (7) mixtures of any of the above-described types; when the oil is produced by solvent extraction, the name of the solvent used in the process must be given.

Degummed Soy Oil — Sometimes referred to as crude degummed soy oil; the product resulting from washing crude soy oil with water and/or steam or another degumming agent for a specified period of time and then separating the oil-and-water mixture, usually by centrifugation, to remove the phosphatides; it shall not contain more than 0.02% of phosphorus without a discount penalty.

Once Refined Soy Oil — Oil produced from crude soy oil which has been subjected only to the dilute alkali solution (refining) treatment or a comparable chemical treatment.

Fully Refined Soy Oil — The oil produced from crude or degummed soy oil which has been treated with dilute alkali solution (refining), decolorized by treatment with absorbent clay materials (bleaching) and subjected to steam distillation at high temperatures under vacuum (deodorizing).

Edible Refined Soy Oil — Crude or degummed soy oil which has been subjected to special refining processes to adapt it specifically for use in food products; in addition to treatment with alkali, bleaching, partial hydrogenation and deodorization, the oils may be also winterized; these oils are further classified as salad oils, cooking oils or shortenings.

Hydrogenated Soy Oil — During the process of hydrogenation, the soy oil is exposed to hydrogen gas in the presence of heat and a catalyst (nickel, copper chromite) and the hydrogen combines with certain of the chemical components (unsaturated fatty acids) of the triglycerides with a resultant in-

crease in the melting point of the oil; sometimes referred to as "hardening."

Cold Pressed Soy Oil — Soy oil produced from domestic-grown, undamaged, mature, cleaned yellow soybeans by mechanical processing without application of heat, and then filtered. Such oil is usually sold in health food stores.

Winterized Oil — Oil which has been treated in a manner to partially remove the saturated glycerides which have relatively high melting points are soluble only to a limited extent in the unsaturated glycerides; the process consists of chilling the oil slowly and then maintaining it at 5 degrees C (41 degrees F) for a specified period of time and removing the crystallized glycerides from the liquid fraction of the oil by the use of filter presses; soy oil does not require winterizing unless it has been partially hydrogenated to increase stability.

Technical Grade Refined Soy Oil — Includes a wide variety of soy oils that are specially refined and further processed to meet requirements and/or specifications for a definite industrial use.

Soybean Fatty Acids — The product obtained when glycerine is split off from the triglycerides in soy oil by any method of hydrolysis; in the field of industrial usage, soybean fatty acids are usually further classified according to the treatment to which they are subjected subsequent to hydrolysis.

Soybean Soapstock — The byproduct that results from the alkali refining of soy oil; averages about 6% of the volume of crude oil refined; sometimes referred to as "foots" since it accumulates at the bottom (foot) of the refining tank; contract grade should contain not less than 30% total fatty acid.

Acidulated Soybean Soapstock — The product that results from the complete acidulation of soybean soapstock; contract grade should contain not less than 85% total fatty acid.

Soybean Lecithin — The mixed phospholipids product obtained from soy oil by the degumming process, contains lecithin, cephalin and inositol phosphatides, together with glycerides of soy oil and traces of tocopherols, glucosides and pigments; it shall be designated and sold according to conventional descriptive grades with respect to consistency and bleaching; the dehydrated emulsion of mixed phosphatides and soy oil is further processed to produce the commercial grades which may be described as follows: plastic or firm consistency; soft consistency; fluid; unbleached; bleached; and double bleached high-quality commercial lecithin contains 60% to 65% phosphatides.

Break Material — Flocculent material (precipitate) that appears in and can be separated from crude soy oil that has been rapidly heated to temperatures between 250 degrees C and 300 degrees C (482 degrees F and 572 degrees F); found to be very high in ash content, rich in phosphorus, calcium and magnesium; presumed to be derived from phospholipids which are thermally decomposed at these high temperatures; sometimes referred to as "foots."

Sludge — The solid residue which settles to the bottom of the tank or car in which crude soy oil is stored or shipped; cannot be pumped out or removed by rubber-faced scrapers from the surface to which it adheres; steam must be applied to facilitate its removal; sometimes referred to as "tank bottoms" or "foots."

STANDARD SPECIFICATIONS

These have been adopted for certain soy products as follows by the National Soybean Processors Association (NSPA), AAFCO, and the IFN specifications, and made a part of their Trading Rules governing purchase and sale of soybean meal in the United States:

Soybean Cake, Soybean Chips, Expeller Soybean Meal—The product after the extraction of part of the oil by pressure or solvents from soybeans. A name descriptive of the process of manufacture, such as expeller, hydraulic or solvent extracted shall be used as part of the brand name. It shall be designated and sold according to its protein content.

Protein	Minimum	41.0%
Fat	Minimum	3.5%
Fiber	Maximum	6.5%
Moisture	Maximum	12.0%

Urease Activity-Range
(as increase in pH)[1] 0.05-0.20[2]

Bulk Density Range
36 to 40 pounds/cubic foot.

Screen Analysis
95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20. Maximum 6.0% through U.S. Screen #80.

Performance Criteria	Minimum	Maximum
P.D.I. and/or N.S.I.[3]	15.0%	30.0%
P.E.R. (Protein Efficiency Ratio)[4]	2.3	—
Chick Weights — 4 weeks: in grams[5]	500.0	—

[1] Urease Activity, A.O.C.S. Tentative Method Ba 9-58.
[2] If the Soybean Meal is to be used in a mixture containing a significant level of soy, (20% or more) 5% or more of urea and 20% or more of molasses, or if a similar soya-urea mixture is to be exposed to hot, humid storage conditions, then it is advisable that the urease activity of the soybean meal does not exceed 0.12 increase in pH.
[3] P.D.I. – Protein Dispersibility Index, AOCS Tentative Method Ba 10-65, or N.S.I. – Nitrogen Solubility Index, AOCS Tentative Method Ba 11-65.
[4] P.E.R. – Protein Efficiency Ratio: Biological Evaluation of Protein Quality Official Methods, AOAC 11th Edition.
[5] Using a medium energy "Carrick" type of corn-soy diet.

Soybean Flakes, 44% Protein Soybean Meal—44% Soybean Meal is produced by cracking, heating and flaking soybeans and reducing the oil content of the conditioned product by the use of hexane or homologous hydrocarbon solvents to 1% or less on a commercial basis.

The extracted flakes are cooked and ground into meal. The meal will not contain viable weed seeds. The meal may contain a nontoxic conditioning agent to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient on the label.

Protein	Minimum	44.0%
Fat	Minimum	0.5%
Fiber	Maximum	7.0%
Moisture	Maximum	12.0%

Urease Activity-Range
(as increase in pH)[1] 0.05-0.20[2]

Bulk Density Range
35 to 38 pounds/cubic foot.

Screen Analysis
95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20. Maximum 6.0% through U.S. Screen #80.

Performance Criteria	Minimum	Maximum
P.D.I. and/or N.S.I.[3]	15.0%	30.0%
P.E.R. (Protein Efficiency Ratio)[4]	2.3	–
Chick Weights – 4 weeks: in grams[5]	500.0	–

Dehulled Soybean Meal—Dehulled Soybean Meal is produced by cracking, heating and flaking soybeans and reducing the oil content of the conditioned product by the use of hexane or homologous hydrocarbon solvents to 1% or less on a commercial basis. The extracted flakes are cooked and ground into meal. The meal will not contain viable weed seeds. The meal may contain a nontoxic conditioning agent to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient on the label.

Protein	Minimum	48-50%
Fat	Minimum	0.5%
Fiber	Maximum	3.0-3.5%
Moisture	Maximum	12.0%

Urease Activity-Range
(as increase in pH[1]) 0.05-0.20[2]

Bulk Density Range
41 to 42 pounds/cubic foot.

Screen Analysis
95-100% through U.S. Screen#10. 40-60% through U.S. Screen #20. Maximum 6.0% through U.S. Screen #80.

Performance Criteria	Minimum	Maximum
P.D.I. and/or N.S.I.[3]	15.0%	30.0%
P.E.R. (Protein Efficiency Ratio)[4]	2.4	–
Chick Weights – 4 weeks; in grams[5]	600.0	–

Soybean Mill Feed and Soybean Mill Run—Two products are involved with somewhat different analysis. The type of product available depends on where the hulls are removed in the extraction process.

Soybean mill feed is produced by allowing the hulls to go through the extraction process with the meal. At the end they are removed by air aspiration. The process leaves some soybean meal and soybean flour with the hulls. Soybean mill feed is then composed of soybean hulls and the offal from the tail of the mill in the manufacture of soy flour or grits.

Soy mill run is produced by removing the hulls in the beginning of the extraction process. It is composed of soybean hulls and such soybean meal as adheres to the hulls in the normal milling operations in the production of dehulled soybean meal.

	Soybean Mill Feed	Soybean Mill Run
Crude Protein	13-15%	10-12%
Crude Fat	1-2%	1-2%
Crude Fiber	32-34%	35-40%
Moisture	9-11%	9-11%

Bulk Density
25 to 27 pounds/cubic foot.

Screen Analysis
95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20; and a maximum 6% through U.S. Screen #80.

[1] Urease Activity, A.O.C.S. Tentative Method Ba 9-58.
[2] If the Soybean Meal is to be used in a mixture containing a significant level of soy, (20% or more) 5% or more of urea and 20% or more of molasses, or if a similar soya-urea mixture is to be exposed to hot, humid storage conditions, then it is advisable that the urease activity of the soybean meal does not exceed 0.12 increase in pH.
[3] P.D.I. – Protein Dispersibility Index, AOCS Tentative Method Ba 10-65, or N.S.I. – Nitrogen Solubility Index, AOCS Tentative Method Ba 11-65.
[4] P.E.R. – Protein Efficiency Ratio: Biological Evaluation of Protein Quality Official Methods, AOAC 11th Edition.
[5] Using a medium energy "Carrick" type of corn-soy diet.

SOY PROTEIN

The following terms and their definitions are quite widely used and accepted in the trade in conjunction with the production and utilization of soy flour and other soy products.

Protein — A naturally occurring combination of amino acids, containing the chemical elements carbon, hydrogen, oxygen, nitrogen and usually sulphur; one of the essential constituents of all living things and of the diet of the animal organism.

Amino Acids — Chief components and determinants of the characteristics of a protein; the building blocks of living tissues. Eighteen different amino acids commonly occur in our food supply and eight are considered essential because the body cannot make them.

glossary...

Soy Grits and/or Flour — The ground, screened, graded product obtained after extracting most of the oil from selected, sound, clean, dehulled soybeans. They are produced from grinding the defatted soy flakes. Grits are coarser ground than soy flour. Protein range is 40% to 60%.

Defatted Soy Flour — Flour produced by the nearly complete removal of the oil from soybeans by the use of hexane or other homologous hydrocarbon solvents; usually contains about 1% of fat.

Low-fat Soy Flour — Flour produced either by partial removal of the oil from soybeans or by adding back soy oil and/or lecithin to defatted soy flour to specified level, usually in the range of 5% to 6%.

High-fat Soy Flour — Flour produced by adding back soy oil and/or lecithin to defatted soy flour to a specified level, usually in the range of 15%.

Full-fat Soy Flour — Flour containing all of the oil originally present in the raw soybeans; usually contains 18% to 20% of fat.

SOY PRODUCTS

The following have been adopted officially by the American Feed Control Officials Inc. (AFCO):

Ground Soybeans — The product obtained by grinding whole soybeans without cooking or removing any of the oil; [sometimes erroneously called "soybean meal."] (Adopted 1933.)

Soybean Hulls — The product consisting primarily of the outer covering of the soybean. (Adopted 1948.) NSPA states that a typical analysis is 13% moisture.

Solvent Extracted Soybean Feed — The material resulting from the partial removal of protein-free and nitrogen-free extract from dehulled, solvent extracted soybean flakes; it shall be designated and sold according to its protein content. (Adopted 1948. Amended 1960 and 1964.)

Soybean Meal — The product obtained by grinding the cake, chips or flakes which are products obtained by removal of most of the oil from soybeans by several methods, hydraulic, expeller and solvent extracted, respectively; the name must include one of the terms "Hydraulic," "Expeller" or "Solvent Extracted" to indicate the method of manufacture of the source material; heat shall be applied during the process; it may be sold in various physical forms other than "meal," such as "cubes," "pellets," "pea size," "cake," "chips" or "flakes"; it must be designated and sold according to its protein content [and shall contain not more than 7% crude fiber.] (Proposed 1960. Adopted 1961.)

Dehulled Solvent Extracted Soybean Meal — The product obtained by grinding flakes which are obtained by removing most of the oil from dehulled soybeans; heat shall be applied during the process; it must be designated and sold according to its protein content and must not contain more than 3% crude fiber. (Proposed 1960, Adopted 1961.) NSPA states not more than 3.3% fiber, not less than 49% protein and not greater than 0.5% fat.

Heat Processed Soybeans — The product resulting from heating whole soybeans without removing any of the component parts; it may be ground, pelleted, flaked or powdered; it shall be sold according to its protein content. (Proposed 1960, Adopted 1964.)

Lecithinated Soy Flour — A type of low-fat or high-fat soy flour in which lecithin is added to defatted soy flour to a specified level, usually in a range up to 15%.

Soy Protein Concentrate — Produced from defatted soybean flakes or flour by a process which immobilizes the protein and removes soluble sugars, mineral, etc. Concentrate has a protein content of 70%.

Isolated Soy Protein — Protein which has been greatly concentrated from its native location by chemical or mechanical means. It is produced by extracting white flakes or flour with water or a mild alkali. Isolate generally has a protein content of 90%.

Textured Vegetable Protein — Soy or other vegetable protein that has texture imparted by spinning a fiber and combining the fiber in layers to achieve the desired texture, or by a thermoplastic extrusion process.

Meat Analogs — Material usually prepared from vegetable protein to resemble specific meats in texture, color and flavor.

Meat Extenders — Use of soy or other vegetable proteins as partial substitutes for meat in processed items such as patties, chili, casseroles, etc.

Toasting — The term commonly but erroneously applied to the processes (moist) of cooking soybean meal, flour or grits by atmospheric or pressure methods for the purpose of increasing the protein efficiency of these soy products or improving their functional properties and/or improving physical texture.

U.S. SOY OIL: SUPPLY AND DISPOSITION

Supply, Disappearance, Oil Equivalent of Exports of Soybeans, and Price, 1960-82

Year Beginning October	Supply				Disappearance				Soybean (Oil equivalent of Exports Mil. Lb.	Price per Pound (Tank Cars)	
	Production	Imports	Stocks October 1	Total	Exports	Shipments to U.S. Territories	Domestic Disappearance Total	Domestic Disappearance Per Capita Pounds		Crude, Decatur Cents	Refined, N.Y. Cents
	Million pounds										
1960	4,420	—	308	5,456	700[2]	—	3,329	18.5	1,431	11.3	13.6
1961	4,790	—	677	5,467	1,308[2]	—	3,540	19.4	1,685	9.5	11.7
1962	5,091	—	618	5,709	1,165[2]	—	3,624	19.5	1,984	8.9	11.1
1963	4,822	—	920	5,742	1,106[2]	—	4,058	21.5	2,103	8.5	10.7
1964	5,146	—	578	5,724	1,340[2]	—	4,069	21.3	2,265	11.3	13.4
1965	5,800	—	297	6,097	923	25	4,687	24.3	2,764	11.8	13.6
1966	6,076	—[3]	462	6,538	1,077	28	4,837	24.8	2,930	10.1	12.4
1967	6,032	—	596	6,628	963	30	5,096	25.9	2,972	8.4	10.5
1968	6,531	—[3]	540	7,071	870	29	5,756	29.0	3,148	8.4	10.4
1969	7,904	—	415	8,319	1,420	29	6,328	31.5	4,941	11.2	13.1
1970	8,265	—	543	8,808	1,742	40	6,253	30.7	4,764	12.8	14.6
1971	7,892	—[3]	773	8,665	1,398	42	6,439	31.3	4,429	11.3	12.7
1972	7,501	—[3]	765	8,286	1,066	20	6,686	32.2	5,191	16.5	17.7
1973	8,995	—[3]	516	9,511	1,435	26	7,255	34.7	6,100	31.5	33.0
1974	7,375	—	794	8,169	1,028	62	6,518	30.9	4,643	30.7	33.0
1975	9,630	—	561	10,191	976	58	7,906	37.2	6,179	18.3	23.5
1976	8,578	—	1,251	9,829	1,547	60	7,454	34.8	6,124	23.9	29.2
1977	10,288	—	771	11,059	2,057	80	8,273	37.9	7,769	24.6	29.6
1978	11,323	—	729	12,052	2,334	77	8,942	40.7	8,220	27.2	32.7
1979	12,105	—	776	12,881	2,690	51	8,981	40.8	9,432	24.3	—
1980	11,270	—	1,210	12,480	1,631	—	9,113	—	—	22.7	—
1981	10,979	—	1,736	12,715	2,077	—	9,535	—	—	19.0	—
1982[4]	11,990	—	1,103	13,093	2,075	—	9,803	—	—	15.0-19.0[5]	—

[1]Calculated at 11.0 pounds of oil per bushel. [2]Includes estimates of foreign donations of fats and oils, not reported by census, 1960-64. [3]Less than 500,000 pounds. [4]Estimated. [5]October-December average. Source: FATS & OILS OUTLOOK AND SITUATION (Feb.); Economics and Statistics Service, U.S. Department of Agriculture.

U.S. EXPORTS: SOYBEANS, OIL AND MEAL

Exports by Country of Destination and Total Value, 1980-82
(Metric Tons)

Continent and Country of Destination	Soybeans[1]			Soybean oil[2]			Soybean oilseed cake and meal[3]		
	1980	1981	1982[4]	1980	1981	1982[4]	1980	1981	1982[4] [5]
North America:									
Canada	401,257	282,001	317,030	12,657	5,957	5,555	338,522	338,500	359,262
Mexico	931,249	664,604	287,302	50,347	2,540	106,792	178,245	117,699	38,540
Other	111,023	129,130	173,842	89,010	92,743	92,261	170,504	205,759	180,776
Total	1,443,529	1,075,736	778,174	152,014	101,240	204,608	687,271	661,928	578,578
South America:									
Brazil	11	77,500	202,649	3,998	0	6,006	0	0	0
Colombia	0	16,062	80,925	79,301	69,305	76,975	0	7,703	24,889
Ecuador	62	7,635	16,163	37,353	41,622	37,092	0	0	0
Peru	0	6,237	700	32,774	54,838	38,565	33,560	19,182	24,574
Venezuela	65,952	50,245	79,234	19,506	53,572	47,343	339,039	399,150	474,712
Other	423	226	723	6,270	22,941	3,852	3,208	14,926	17,670
Total	66,448	157,906	380,394	179,202	242,154	209,833	375,807	440,961	541,845
Europe:									
Belgium & Luxembourg	583,327	1,041,369	1,404,710	3	3	0	21,689	34,390	18,371
Czechoslovakia	1,270	0	12,747	NA	0	0	174,661	20,950	76,381
Denmark	274,392	166,868	142,883	1	1	0	36,443	10	3,500
France	635,564	628,227	848,381	2,940	0	0	199,215	27,291	37,793
Germany, Fed. Rep. of	1,451,099	2,024,493	2,044,149	81	86	274	984,312	738,182	739,613
Germany, Dem. R.	1,600	813	—	NA	0	0	360,631	207,906	120,862
Ireland	0	0	0	0	0	0	46,581	2,810	24,450
Italy	837,955	961,009	906,225	1	11	25	825,961	756,005	1,032,311
Netherlands	5,392,262	4,393,546	5,111,557	8,471	1,019	0	1,669,211	1,853,723	2,041,019
Norway	269,562	261,016	344,631	NA	18	0	168	233	0
Poland	241,637	86,861	92,813	11,831	6,997	12,311	311,423	276,406	7,215
Portugal	120,832	298,126	469,504	0	0	0	70,086	225,860	12,600
Romania	247,631	60,503	243,818	NA	0	0	292,704	318,291	56,575
Spain	1,720,915	1,910,235	2,968,166	1	2	0	2,698	41,437	62,397
Switzerland	4,318	111,386	380,973	24	350	2	31,659	32,942	459
United Kingdom	449,281	518,489	640,061	52	33	42	83,417	69,557	101,275
Yugoslavia	191,311	210,017	189,343	19,999	6,648	15,996	182,050	139,830	95,853
Other	[illegible]	[illegible]	[illegible]	244	46	16	239,966	242,960	124,842
				43,648	15,214	16,365	5,492,875	4,987,773	4,555,556

Continent and Country of Destination	Soybeans[1]			Soybean oil[2]			Soybean oilseed cake and meal[3]		
	1980	1981	1982[4]	1980	1981	1982[4]	1980	1981	1982[4 5]
Soviet Union:	172,942	33,747	649,050	0	0	0	0	0	0
Africa:	40,504	22,950	85,761	52,844	62,377	59,371	22,622	29,775	38,743
Asia:									
China:									
Mainland	606,688	472,951	245,671	99,657	25,617	0	0	0	0
Taiwan	935,796	1,052,796	1,126,536	27	10	3,201	10,496	386	0
India	NA	NA	NA	366,405	91,708	35,674	0	0	0
Indonesia	202,924	302,597	384,805	36	48	57	18,608	0	81,452
Israel	259,659	300,354	461,548	8,613	5,030	397	0	50	0
Japan	4,032,866	4,001,380	4,067,582	115	19,701	31,960	245,505	82,134	48,687
Korea, Rep. of	584,433	424,581	588,013	18	97	35	0	38,726	69,207
Pakistan	17	0	0	150,221	181,680	273,636	0	0	4,999
Other	380,823	213,783	226,430	22,583	47,212	56,074	151,930	95,653	265,515
Total	6,728,508	6,768,442	7,100,585	647,675	371,103	401,034	426,539	216,949	469,860
Australia & Oceania:	31,128	21,313	7,008	20,897	26,516	29,346	18,673	7,228	36,158
Grand Total	21,778,536	21,830,405	25,474,898	1,096,080	818,730	932,857	7,023,787	6,344,614	6,220,742
Value of Exports:									
Total (Mil. $)	5,880	6,186	6,218	689	474	486	1,664	1,589	1,411

Note: Figures computed from unrounded data.
[1]Beginning in 1978, excludes soybeans for planting. [2]Crude and refined oil combined as such. Includes shipments under P.L. 480 as reported by census. Beginning in 1978, excludes partially hydrogenated soybean salad oil. [3]Beginning in 1978, includes soybean flour and meal, non-defatted previously elsewhere classified. [4]Preliminary. [5]Unofficial revisions reported by the Census Bureau. Source: Foreign Agricultural Service. Compiled form reports of the U.S. Department of Commerce.

U.S. SOYBEANS: INSPECTIONS FOR EXPORT BY GRADES AND BY PORTS

September 1981 - August 1982 (1,000 Bushels)

Ports	No. 1	No. 2	No. 2 or Better	No. 3	No. 3 or Better	Other	Not Inspected	Total
Lakes[1]								
Chicago Area	0	2,401	8,641	0	1,071	0	0	12,113
Duluth-Superior	0	0	0	0	0	0	0	0
Toledo Area	0	0	35,965	0	1,032	0	0	36,997
Saginaw Area	0	0	1,679	0	0	0	0	1,679
Subtotal	0	2,401	46,285	0	2,103	0	0	50,789
Atlantic								
North	0	0	15,033	0	0	0	0	15,033
South	0	8,161	52,630	0	5,601	1,197	6,197	73,786
Subtotal	0	8,161	67,663	0	5,601	1,197	6,197	88,819
Gulf								
Mississippi River	2,049	1,599	479,068	763	112,643	18,451	0	614,573
East Gulf	0	0	57,605	0	3,877	0	0	61,482
North Texas Gulf	0	0	59,171	0	4,587	8,435	0	72,193
South Texas Gulf	0	0	0	0	0	0	0	0
Subtotal	2,049	1,599	595,844	763	121,107	26,886	0	748,248
Pacific								
Columbia River	0	0	2,632	0	0	0	0	2,632
Puget Sound	0	0	11,180	0	1,176	0	0	12,356
California	0	0	13,376	0	865	0	0	14,241
Subtotal	0	0	27,188	0	2,041	0	0	29,229
Interior	108	2,093	0	423	0	0	0	2,624
Subtotal	108	2,093	0	423	0	0	0	2,624
Totals:								
Sept. 1981-Aug. 1982	2,157	14,254	736,980	1,186	130,852	28,083	6,197	919,709
Sept. 1980-Aug. 1981	2,509	33,813	529,565	7,558	103,839	15,389	11,663	704,336

[1]Includes water shipments to Canada. Source: GRAIN MARKET NEWS.

UNITED STATES STANDARDS FOR SOYBEANS*

Revised Effective
September 8, 1977

SECTIONS

26.601 Terms defined.
26.602 Principles governing application of standards.
26.603 Grades, grade requirements and grade designations.
26.901 Interpretation with respect to the term "Distinctly low quality."
26.902 Interpretation with respect to the term "purple mottled or stained."
26.903 Interpretation with respect to the term "Bicolored soybeans."

AUTHORITY

26.601 to 26.603 issued under Sec. 8, 39 Stat. 485; 7 U.S.C. 84. Interpret or apply Sec. 2, 39 Stat. 482, as amended; 7 U.S.C. 74.

26.601 **Terms defined**—For the purposes of the United States Standards for Soybeans:

(a) **Soybeans.** Soybeans shall be any grain which consists of 50% or more of whole or broken soybeans which will not pass readily through an 8/64 sieve and not more than 10% of other grains for which standards have been established under the United States Grain Standards Act.

(b) **Classes.** Soybeans shall be divided into the following five classes: yellow soybeans, green soybeans, brown soybeans, black soybeans and mixed soybeans.

(c) **Yellow soybeans.** Yellow soybeans shall be any soybeans which have yellow or green seed-coats and which in cross section are yellow or have a yellow tinge and may include not more than 10% of soybeans of other classes.

(d) **Green soybeans.** Green soybeans shall be any soybeans which have green seed-coats and which in cross section are green and may include not more than 10% of soybeans of other classes.

(e) **Brown soybeans.** Brown soybeans shall be any soybeans with brown seed-coats and may include not more than 10% of soybeans of other classes.

(f) **Black soybeans.** Black soybeans shall be any soybeans with black seed-coats and may include not more than 10% of soybeans of other classes.

(g) **Mixed soybeans.** Mixed soybeans shall be any mixture of soybeans which does not meet the requirements of the classes yellow soybeans, green soybeans, brown soybeans or black soybeans. Bicolored soybeans shall be classified as mixed soybeans.

(h) **Grades.** Grades shall be the U.S. numerical grade , U.S. Sample grade and special grades provided for in 26.603.

*The specifications of these standards shall not excuse failure to comply with the provisions of the Federal Food, Drug and Cosmetic Act.

(i) **Bicolored soybeans.** Bicolored soybeans shall be soybeans with seed-coats of two colors, one of which is black or brown.

(j) **Splits.** Splits shall be pieces of soybeans that are not damaged.

(k) Damaged kernels. Damaged kernels shall be soybeans and pieces of soybeans which are heat-damaged, sprouted, frosted, badly ground-damaged, badly weather-damaged, moldy, diseased, stinkbug-stung, or otherwise materially damaged. Stinkbug-stung kernels shall be considered damaged kernels at the rate of one-fourth of the actual percentage of the stung kernels.

(l) **Heat-damaged kernels.** Heat-damaged kernels shall be soybeans and pieces of soybeans which are materially discolored and damaged by heat.

(m) **Foreign material.** Foreign material shall be all matter, including soybeans and pieces of soybeans, which will pass readily through an 8/64 sieve and all matter other than soybeans remaining on such sieve after sieving.

(n) **Stones.** Stones shall be concreted earthy or mineral matter and other substances of similar hardness that do not disintegrate readily in water.

(o) **8/64 sieve.** An 8/64 sieve shall be a metal sieve 0.032 inch thick perforated with round holes 0.125 (8/64) inch in diameter with approximately 4,736 perforations per square foot.

26.602 **Principles governing application of standards.** The following principles shall apply in the determination of the classes and grades of soybeans:

(a) **Basis of determination.** Each determination of class, splits, damaged kernels, heat-damaged kernels and of black, brown and/or bicolored soybeans in Yellow or Green soybeans, shall be upon the basis of the grain when free from foreign material. All other determinations shall be upon the basis of the grain as a whole.

(b) **Percentages.** All percentages shall be upon the basis of weight. The percentage of splits shall be expressed in terms of whole percents. All other percentages shall be expressed in terms of whole and tenths percents.

(c) **Moisture.** Moisture shall be ascertained by the air-oven method prescribed by the United States Department of Agriculture, as described in Service and Regulatory Announcement No. 147, issued by the Agricultural Marketing Service or ascertained by any method which gives equivalent results.

(d) **Test weight per bushel.** Test weight per bushel shall be the weight per Winchester bushel as determined by the method prescribed by the United States Department of Agriculture, as described in Circular No. 921 issued June 1953 or as determined by any method which gives equivalent results.

26.603 Grades, grade requirements and grade designations. The following grades, grade requirements and grade designations are applicable under these standards:

(a) **Grades and grade requirements for soybeans.** (see paragraph (c) of this section and table below).

(b) **Grade designation.** The grade designation for soybeans shall include in the order named, the letters "U.S."; the number of the grade or the words "Sample grade," as the case may be; the name of the class and the name of each applicable special grade. In case of mixed soybeans the grade designation shall also include, following the name of the class, the approximate percentages of yellow, green, brown, black and bicolored soybeans in the mixture.

Maximum limits of

Grade	Minimum test weight per bushel pounds	Moisture	Splits	Damaged kernels		Foreign material	Brown, black and/or bicolored soybeans in yellow or green soybeans
				Total	Heat damaged		
1	56	13.0%	10%	2.0%	0.2%	1.0%	1.0%
2	54	14.0	20	3.0	0.5	2.0	2.0
3†	52	16.0	30	5.0	1.0	3.0	5.0
4‡	49	18.0	40	8.0	3.0	5.0	10.0

U.S. sample grade: U.S. Sample grade shall be soybeans which do not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 4, inclusive; or which are musty, sour or heating; or which have any commercially objectionable foreign odor; or which contain stones or which are otherwise of distinctly low quality.
†Soybeans which are purple mottled or stained shall be graded not higher than U.S. No. 3. ‡Soybeans which are materially weathered shall be graded not higher than No. 4.

(c) **Optional grade designations.** Soybeans may be certificated (under certain conditions**), when supported by official analysis, as "U.S. No. 2 or better Soybeans," "U.S. No. 3 or better Soybeans," etc. The optional grade designation for soybeans shall include the name of the class immediately preceding the word "soybeans" in the grade designation. The special grade designation, when applicable, also shall be included (under certain conditions**) in the certification.

(d) **Special grades, special grade requirements and special grade designations for soybeans:**

(1) **Garlicky soybeans**—(i) **Requirements.** Garlicky soybeans shall be soybeans which contain five or more garlic bulblets in 1,000 grams.

(ii) **Grade designation.** Garlicky soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not garlicky and there shall be added to and made a part of the grade designation the word "garlicky."

(2) **Weevily soybeans**—(i) **Requirements.** Weevily soybeans shall be soybeans which are infested with live weevils or other live insects injurious to stored grain.

(ii) **Grade designation.** Weevily soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not weevily and there shall be added to and made a part of the grade designation the word "weevily."

INTERPRETATIONS (added)

26.901 **Interpretation with respect to the term "Distinctly low quality."**

The term "distinctly low quality," when used in the United States Standards for Grain, shall be construed to include grain which contains more than two crotalaria seeds (Crotalaria spp.) in 1,000 grams of grain.

26.902 **Interpretation with respect to the term "purple mottled or stained."**

The term "purple mottled or stained," when used in the United States Standards for Soybeans [see 26.603 (a)] shall be construed to include soybeans which are discolored by the growth of a fungus; or by dirt; or by a dirtlike substance including nontoxic inoculants; or by other nontoxic substances.

26.903 **Interpretation with respect to the term "Bicolored soybeans."**

The term "bicolored soybeans," when used in the United States Standards for Soybeans [see 26.601 (i)], shall be construed to include any soybeans with seed-coats of two colors, one of which is black or brown, when the black and/or brown color covers 50 percent or more of the seed-coat. The hilum of a soybean shall not be considered a part of the seed-coat.

**The conditions are listed in the Grain Inspection Manual, GR Instruction 918.6. Copies may be obtained from the Inspection Division, Federal Grain Inspection Service, U.S. Department of Agriculture, 1400 Independence Avenue, S.W., Washington, D.C. 20250.

SOY FLOUR STANDARDS

	Full-fat soy flour	Low-fat soy flour	Defatted soy flour
Protein (Nx 6.25)*	40.0% Min.	45.0% Min.	50.0% Min.
Protein (Nx 5.7)*	36.5% Min.	41.0% Min.	45.0% Min.
Fat (Ether Extract)*	18.0% Min.	4.5—9.0% Max.	2.0% Max.
Fibre*	3.0% Max.	3.3% Max.	3.5% Max.
Moisture	8.0% Max.	8.0% Max.	8.0% Max.
Ash*	5.5% Max.	6.5% Max.	6.5% Max.

Screen: 97% through No. 100 U.S. Standard Screen for each of the above.
*Moisture free basis.

Definition

The Products shall be processed from high quality, sound, clean, dehulled yellow soybeans as defined in the United States Grain Standards Act. The soybeans shall be subjected to a thorough initial cleaning operation, that shall substantially remove all foreign material. Disagreeable flavors and odors shall be removed by subjecting the soy material to adequate processing.

Soy flour shall be prepared and packaged under modern sanitary conditions.

The soy flour shall be free from burnt, musty, rancid or other undesirable flavors or odors; free from burnt, scorched or grayish color and free from insects, insect webbing, dirt or other extraneous matter.

index

A

A&L Plains Laboratories Inc. 137,141
ADM, Archer Daniels Midland Co. 24,26,30, 31,32,33,56,59,64,69,79,92
A/S De-No-Fa Og Lilleborg Fabriker.50,81,85,92
Aarhus Oliefabrik A/S 39
Ace Canning Corp. SDN BHD 63
Aceite Casa S.A. 48
Aceitera La Junta S.A. 48
Aceitera Matamoros, S.A. de C.V. 48,81
Aceitera Talca S.A. (ACEITAL) 38,65
Aceitera Tapatia S.A. 48
Aceites y Alcoholes (PATRIA) S.A. 39
Aceites y Derivados Del Pacifico, S.A. ...48,88, 91,106,108,112,114,116,117,118,119, 120,122,124,126,128,130,132,141
Aceites y Grasas Vegetales S.A. (ACEGRASAS) 39,57,65,71
Aceites Del Mayo S.A. 48
Aceites Polimerizados S.A. 48,67,73,86,87,91
Aceites y Proteinas S.A. (ACEPROSA) 51,59,67,74
Aceites Vegetales S.A. (ACEVESA) 51
Acomarit Services Maritimes S.A. 140,141
Addison & Sons Pty. Ltd., Barton 35,65
Aeroglide Corp. 110,141
Africa S.A.R.L. 53
Agri Science Laboratories, Inc. 137,141
Agricultural Exports Inc. 92
Agricultural Laboratories 136,141
Agro Industrial Miraflores S.A. 39
Ag-World Exports 92
Air classifiers 106
Air-Tech Industries Inc. 119,141
Ajinomoto Co. Inc. 46,58,61,66,73,85,89
Al Arz Industries for Vegetable Oils & Derivatives 40
Alcoa Steamship Company Inc. 140,141
Aldon Company, The 117,141
Alfa-Laval AB 108,116,117,118,120, 124,126,128,130,132,137,138,139,140,141
Alimentos Colpac 56,62,63,67
Alimentos Proteicos Ltda. 56,61
All-Fresh Foods Inc. 69
All Sincere Industrial Co. Ltd. (ASIC) 52,74,92
Allied Chemical 135,141
Allis-Chalmers Corp. 116,135,141
Alpine American Corporation ...106,114,116,141
American Bulk Transport Co. 140,141
American Drying Systems, Inc. 110,142
American Drynamics Inc. 110,118, 119,122,124,137,138,139,142
American Farmers Marketing Cooperative 76
American Grain and Related Industries 28
American Lecithin Co. Inc. 56,68,92
American Lewa, Inc. 117,142
American Microtech, Inc. 117,142
Americana Grasas y Aceites Comestibles S.A., La 39,80,82,84,87,108, 110,112,114,116,118,120,122,124, 126,128,130,132,137,139,140,142
Amoy Canning Corporation (Singapore) Ltd., The 63,75
Analytical laboratories 137
Analyzers, grain 112
Analyzers, oil/fat & oil/fiber 116
Analyzers, protein and/or miscellaneous 128
Anderson, Clayton & Co. 34,48
Anderson Clayton Foods 24,26,34,69
Anderson International 122,142
Angola Soya Co. 27
Anproco International Inc. 137,138,142
Anti-caking agents 120
Areej Vegetable Oils & Derivatives LLC 50
Arizona Testing Lab 137,142
Arlesa, Aceiterias Reunidas de Levante S.A. 51,59,74
Arlesa-Exisa 51,74
Arlesa-Extrasur 52,67
Asahi Yushi Co. Ltd. 46,66,73
Asgrow Seed Company 140,142
Aspirators 106
Austin Co., The 137,138,142
Automatic samplers 106
Automation 106
Avco New Idea Farm Equipment ...114,135,142
Azumaya Inc. 77

B

BASF Wyandotte 135,136,142
BFC Chemicals, Inc. 135,136,142
BOCM Silcock Ltd. 40
Bacon Inc., Charles V. 137,139,140,142
Bagging equipment 106
Bags 106
Balfour-Maclaine International Ltd. 92
Barrow Agee Laboratories 137,139,142
Barzen International Inc. 92
Batching systems 108
Bauermeister, Inc. 126,142
Bauermeister Maschinenfabrik GmbH, Hermann ...114,120,122,126,138,142
Bazooka Grain Moving Systems 114,135,142
Bean Machines Inc. 132,144
Bear Specialty Grains, Inc. 92
Bearings 108
Bellatti Soybeans 140,144
Belting 108
Belting accessories, commercial 108
Belting accessories, farm 135
Bender-Ross Equipment Co. Inc. 112,118,144
Berico Industries 110,144
Bernard Food Industries Inc. 59
Best Foods Div., CPC International Inc. 24,26,32,55,69
Best-Way, Inc. 117,118,136,144
Bianchini S/A Ind. Com. E Agricultura 36,92
Bibby Edible Oils Ltd., J. 40
Bindicator Company 108,112,114,116,144
Bleaching & filtering equipment 120
Blount/Ferrell-Ross ...106,108,110,114,135,144
Blount/Mix-Mill 108,114,122,135,136,144
Blue Ribbon Foods Ltd., United Refineries Division 54
Boone Valley Co-op Processing Assn. 28,93
Bordeaux-Oleagineux 42,93

Borden Inc., Chemical Div. 135,144
Boulo Inc., Paul A. 139,144
Braswey S.A. Industria e Comercio 36,93
Breeders, soybean 140
Brian and Associates Inc., Ross ... 120,122,124, 126,130,132,137,138,144
British Arkady Co. Ltd., The .. 40,57,61,63,65,68
British Soya Products Ltd. 40,61,65,68,93
Brockman & Assoc. International ... 137,139,144
Broekelmann & Co. 41
Brokers 137
Brookside Div., Safeway Stores Inc. 34,69
Browning Mfg. Div. 108,116,144
Buckets, elevator 112
Buhler Brothers Ltd. 106,110,112,114, 116,117,118,122,124,126,130,137,138,144
Buhler-Miag, Inc. 106,110,112,114, 118,122,124,126,130,136,138,144
Bunge Corp. 24,26,27,30,31,32,93
Bunge Edible Oil Co. 27,34,93
Buss-Condux Inc. 114,116,144

C

CAP, Inc. 120,122,124,128,137,138,144
CE Bauer 114,116,119,122,124,146
C.R. Food 77
CSP Foods Ltd. 38
CVC Products 124,126,146
Cadur Trading Corp. 93
California Pellet Mill Co. 116,146
Calsicat Division, Mallinckrodt, Inc. 120,146
Cambrian Engineering Group Limited .. 119,120, 124,128,130,137,138,146
Canada Packers Inc. 38,71,84
Canada Packers Inc., Chemical Div. . 57,80,87,90
Canadian Vegetable Oil Processing .. 38,57,80,93
Cardowan Creameries Limited 73
Cargill Agricola S.A. 36,93,106,108,110, 112,116,117,118,119,122,124, 128,130,132,138,139,140,146
Cargill B.V. 50,62,67,89,91,93
Cargill N.V. 35
Cargill Inc. 24,26,27,28,30,31,32, 33,34,60,64,69,82,83,93
Carnation Co. (M) Sdn. Berhad 63
Carnation Co. (Singapore) Pte. Ltd. 64
Carter-Day Company 106,110,112, 114,118,130,136,146
Case Company, J.I. 135,146
Catalysts 120
Central Soya 27,28,33,34,93
Central Soya, Chemurgy Div. 56,60,64,79,82
Central Soya, Refined Oil Div. 69,83
Central Soya Utrecht B.V. 50
Chains 108
Chantland Company, The .. 106,110,114,118,146
Charter International Oil Co. 132,146
Chase Bag Co. 106,146
Cheil Sugar Co. Ltd. 47,59,81,91,93
Chem-Staat Laboratories, Inc. 137,146
Chemetron Process Equipment Inc. 120,124, 128,130,132,146
Chemical applicators, granular 135
Cheng's Soybean Product Inc., Mrs. ... 55,62,77
Chessie System 140,146
Chester Engineers, The 137,138,146
Chevron Chemical Company 135,136,146
Chew & Co. Inc., A.E. 93
Chia Fha Industry Co. Ltd. 52,59,69,74,91
Chia Hsin Flour, Feed & Veg. Oil Corp. 52,74
Chicago Eastern Corporation 110,112 118,136,146
Chipman Chemical Inc. 135,146
Chuan Yuan Oil Mill Co. Ltd. 52,74
Chung's Food Co., Dr. 63,78,93
CIE Marocaine D'Huilerie (C.M.H.) 49
Cia. Brasileira De Oleos E Derivados (COBRASOL) 36,93
Cia. Ltda. "La Fabril" 40,71
Cia Oleaginosa Ltda. 36
Ciba-Geigy Corporation 136,147
Cigra, Inc. 94
Classifiers, air 106
Clayton Brokerage Co. of St. Louis, Inc 137,147
Cleaning, lubricating equipment 108
Cleary Corp., W.A. (Cleary Trading Corp.) 56
Cleary Trading Corp. 94
Coca-Cola Co. 62
Codema, Inc. 106,108,110,112, 114,116,118,124,126,138,147
Coinbra 36
Coker's Pedigreed Seed Co. 140,147
Cole Grain Co. 33
Color measuring instruments 108
Columbus Coated Fabrics Co. 79
Commercial Equipment & Supplies 106
Commercial Services 137
Commerciale et Industrielle S.A.R.L. 53
Commodity News Service, Inc. 140,147
Commodity news services 140
Commodity Research Bureau, Inc. 140,147
Companhia Mogiana de Oleos Vegetais 36, 70,80,82,84,87,89,94
Compania Industrial 39
Compania Industrial y de Abastecimientos S.A. 52,74,94
Compania Oleaginosa del Peru S.A. 51,73
Complete plants 120
Condensors 120
Conditioners & coolers see drying & aeration 110
Construction contractors 137
Consulting:
Equipment 137
Marketing 137
Plant layout 138
Regulatory affairs 138
Continental Grain Co. 24,27,34,94
Continental (London) Ltd. 40
Continental de Oleos Vegetais "Cont-Oleos" Ltda. 36
Continuous countercurrent solvent extraction equipment 122
Continuous screw presses 122
Contract research (pilot scale) 138
Contracts, construction 137
Control Assemblies Co. 108,147
Control instruments, systems 108
Conveyors, elevators; commercial 108
Conveyors, elevators; farm 135
Cookers, extruders 122
Coolers, fluidized bed 122
Coop. Agricole et Industrielle Zouila 54
Coop. Oleicole Tne. 54

Cooperativa Agricola Avicola Santiago Ltd. 39
COROIL, C.A. 54,74,108,110,116,117, 118,119,120,122,124,128,130,132,147
Costruzioni Meccaniche Bernardini S.p.A. 120,122,124, 126,128,130,132,147
Country Brand Seeds, Inc. 140,147
Covers, hopper cars 140
Cracking & flaking equipment 126
Creason Corrugating & Machinery Co., Inc. 132,140,147
Crippen Mfg. Co., Inc. 106,114,136,147
Crown Iron Works Company 110,120,122, 124,126,132,147
Cudahy Inc., Patrick 69
Curtis and Tompkins, Ltd. 108,116,137, 138,139,148
Custom Food Products Inc. 60

D

Dabney-Hoover Supply Co. Inc. 106,108, 110,112,114,116,117,118,135,136,148
DaeJin Audio Co., Ltd. 137,148
Dairyland Products Inc. 62,64,68,77
Dairyland Seed Company, Inc. 140,148
Damman-Croes S.A. 110,112,114,116, 118,120,122,124,130,148
Davenport Machine & Foundry Co. 110,148
Davidson-Kennedy Company 122,124,148
Davy Bamag GmbH 126,148
De Smet Corporation 118,120,122, 124,126,128,130,132,138,148
Dean & Co., James E. 40,84,94
Dedert Corporation 110,148
Deep South Labs, Inc. 137,148
Deere and Company 108,114,116, 117,135,136,148
Degumming equipment 122
Dehulling equipment 124
DeKalb County Exports Inc. 94
DeKalb-Pfizer Genetics 140,148
Delta and Pine Land Company 140,148
Deodorization equipment 124
Desarrollo Industrial Ings., S.A. 120,122, 124,128,130,132,148
Desolventizer toaster 124
DeSoto Inc. 86
Diamond Shamrock Corp. 135,136,148
Dickey-john Corporation 108,112, 116,118,135,136,148
Dickey Machine Works 135,136,148
Diktic Inc. 120,122,124, 128,137,138,149
Dipak Solvent Extraction Industries 43,94
Distillate purchaser 138
Distillation Products Industries 88,138,149
Divine Engineering, Inc. 108,110, 114,116,119,149
Dodge/Reliance Electric 108,116,149
DongBang Oil & Flour Mills Co. Ltd. 47,62, 63,67,81,83,85,91,95
Do-Well Oil Plants Pvt. Ltd. 120,138,149
Drake Petroleum Company 132,149
Dravo Engineers, Inc. 120,122,124,126, 128,130,132,137,138,149
Dreyfus Corp., Louis 95
DriAll, Inc. 110,149
Drying & aeration: Conditioners & coolers 110
Grain dryers 110
Meal dryers 110
Drying & aeration equipment, farm 135
DuMond Company, Inc. 106,110,112,114, 116,117,118,120,122,124, 126,128,130,132,136,149
Dumortier Freres S.A., P. 42
Dunbar Kapple 110,114,135,149
Dunn Grain Services, Inc., James E. 76,95,139,140,149
DuPont de Nemours & Co., E.I. .86,135,136,149
Durkee Foods Div., SCM Corp. 27,33, 55,69,79,83,86,89,95
Dust control filter bags 112
Dust control systems 112
Du-Val Industrial Foreign Trade Corp. ..108,110, 117,118,119,120,122,124, 132,135,136,137,138,149

E

EMI Corporation 120,122,124,126, 128,130,132,137,138,149
Eagle Food Industry Corp. 53,74,95
Ecological Products, Ltd. 135,136,149
Edelsoya GmbH 66
Edible Oil Refining Co. Ltd., The 48
Edible Soy Products Inc. 55,77,95
Elanco Products Co. 136,149
Electrical Engineering & Equipment Co. 108,110,114,116,149
Electrolyzers 126
Elevator buckets 112
Elevator lifts 112
Elevator and processor storage see soy storage 118
Elliott Automation Company Inc. 112,149
Emery Industries Inc. 89
Engineering services 138
Entoleter Div. Safety Railway Service Corp. 106,114,150
ERDCO Engineering Corp. .108,112,116,132,150
Erith Oil Works Ltd. 40
Etz Hazaith Ltd. 45,58,66,72,88
Experience, Incorporated 137,138,150
Export, import warehousing 139
Exporters 92
Extracted Oils & Derivatives Co. 40
Extractora Nacional De Oleaginosas S.A. (ENDOSA) 54,68,82,83,86
Extraktionstechnik Gesellschaft Fur Anlagenbau m.B.H. 120,122,124, 126,128,130,132,150
Extruders, cookers 122
Exxon Company, USA 132,150

F

FMC Corporation, Material Handling Systems Div. 110,150
FPPM Limited 61,66
Fabrica De Aceite Villamontes Rafael Deheza 36,65,70,95

Fabrica De Aceites (La Central) S.A. 48,56
Fabrica De Aceites "La Favorita" S.A. 40,71
Fabrica De Jabon La Corona, S.A. 48
Fabrica De Jabon La Corona S.A. De C.V. 48,67,85,88
Facegra, C.A. 54,74,87,106,108, 112,114,116,117,128,132,150
Fagrave S.A. 39,84,106,108,110, 112,117,120,122,124,126,128,130,150
Fairbanks Weighing Division Colt Industries 117,119,140,150
Falk Corp., The 117,150
Fans 112
Far-Mar Co., Inc 95
Farm equipment, general 135
Farm Equipment & Supplies 135
Farm Fans, Inc. 110,112,114,135,136,150
Farmers Export Co. 95
Farmland Agriservices, Inc. Manufactured Products Division 60,64
Farmland Industries Inc. 24,28,31,64,95
Farol S.A.-Ind. Gaucha De Farelos E Oleos 37,57,61,65,80,82,84,95
Fat splitters 126
Fatty acid distillation equipment 126
Fazenda Boa Fe 140,150
Fearn Soya Foods Div. of Richard Foods Corp. 55,56, 62,64,68,95
Fecotrigo 37
Feeco International, Inc. 110,112,114, 116,122,124,135,150
Fertilizers 135
Field warehousing 119
Filbert Inc., J.H. 69,95
Filter bags, dust control 112
Filtering & bleac' ng equipment 120
First Spice Mixing Co. 60,96,130,150
Fischbein Company, Dave .106,110,117,119,150
Flaking & cracking equipment 126
Flexible Steel Lacing Company 108,135,150
Florin Ltd. Oil & Fatworks 52
Flow aids, material 116
Flow measurement instruments 112
Food Ingredients (Minn.) Inc. ..137,138,139,150
Food Specialties Singapore (Pte) Ltd. 64
Food Technology Products 56
Foods & Feeds U.K. Limited 51,96
Foods Fats & Fertilisers Limited 43,88,90
Forsbergs Inc. 106,110,112, 114,130,135,136,151
Fort Worth Steel & Machinery 108,110, 112,114,117,118,135,151
Forwarding agents 139
Foss America Inc. 112,116,151
Fox Co., C.B. 96
Fox Testing Laboratory Inc. 137,151
Foxboro Company, The 108,151
Franz Kirchfeld GmbH & Co. Kommanditgesellschaft 118,119, 124,126,128,130,132,137,138,139,151
Fraser & Neave (Singapore) Pte Ltd. 64
Fratelli DeVita S.P.A. 110,112, 122,124,126,128,130,132,151
French Oil Mill Machinery Co. 106,108, 110,112,114,116,117,118,120,122,124, 126,128,130,132,137,138,139,140,151
Fritz Homann Lebensmittelwerke 72
Fuji Oil Co. Ltd. 46,61,66,73
Fujiwara Hisato S.A. 37,84,96
Fumigants 112
Fungicides, seed protectants 135

G

Galletera Mexicana S.A. (GAMESA) 48,59, 67,81,83,91
Gandy Company 135,151
Garrison Products Inc. 60
Gebr. Paschedag GmbH 106,120, 122,124,126,128,130,139,151
General farm equipment 135
General Spice Inc. 60,96
Getty Oil Company 132,151
Giacomo Costa Fu Andrea S.p.A. 45,58,72
Glidden Coatings and Resins Div. SCM Corp. 86
Global Nutrameal, Inc. 55,62,68,76,96
Globe Engineering Company ...137,138,139,151
Glossary 203
Glucosa S.A. 75
Godrej Soaps Limited 43,85,90,96
Gold Kist Inc. 26,96
Gold Kist Soy 26
Gooch Laboratories, Ltd., Geo. W. 137,151
Grace & Co., W.R. 135,136,151
Grading equipment, grain 114
Grain analyzers 112
Grain cleaning, separating equipment; commercial 114
Grain cleaning, separating equipment; farm 135
Grain dryers; see drying & aeration 110
Grain grading equipment 114
Grain Instant News Commodity News Services, Inc. 140,151
Grain & material handling equipment 114
Grain Probe Sales & Service 106,151
Grain Processing Corp. 64,96
Grain States Soya Inc. 32
Granol Ind. Com. Exp. S/A 37,71,84,90,96
Granoleo S.A.-Com. Ind. Sementes Oleaginosas E Derivados 37,96
Grasas De Valencia, C.A. 54
Grasas S.A. 39,57,61,71
Grasas Vegetales S.A. 39,71,80,88,91
Grasas y Vegetales S.A. 48
Great China Food Products Co. 75
Great Plains Bag Corp. 106,151
Great Plains Mfg. Inc. 135,151
Great Wall Enterprises Co. Ltd. 53,59,74 81,83,91,96
Green Spot (Thailand) Ltd. 64
Grief Bros. Corp. 106,152
Griffith Laboratories 60,64,68
Grinding & mixing equipment 114
Gross & Co., A., Mill-Master Onyx Group, Kewanee Industries Inc. 89
Gurley's Inc. 32,96
Gusmer, A. 106,110,114,120 122,135,136,152
Gustafson, Inc. 106,112,114, 116,117,130,135,136,152

H

H.L.S. Ltd. 118,119,120,122,124, 126,128,130,132,139,152
Hagan Mfg. Co. 106,110,114,118,136,152
Hagie Manufacturing Company 136,152
Hahn Laboratories 137,152
Harburger Oelwerke Brinckman & Mergell 41
Harshaw Chemical Company 120,152
Hart-Carter Company 135,152
Hartz Seed Co., Inc., Jacob 140,152
Hasselman Brokerage Co. Inc. 96
Hayes & Stolz Industrial Mfg. Co., Inc. 110,114,117,118,152
Heat exchangers 126
Helena Chemical Co. 135,136,140,152
Henkel Corporation 79,86,89,90,96,138,152
Herbicides 136
Hidrogenadora Nacional S.A. 49
Hindustan Lever Limited 43
Hi-Pro Products, Inc. 77,96
Hohnen Oil Co. Ltd. 46,58,63, 66,73,79,85,87,89
Holsum Foods 69
Honeymead Products Co. .31,57,64,69,79,82,83
Honeywell/Process Control Division 108,118,136,152
Hopper cars, covered, tanks 140
Houston Public Grain Elevator 106,108,110, 112,114,116,117,118,119,139,152
Howard Rotavator Company, Inc. 135,152
Howe Richardson Company 106,108, 114,117,119,136,152
Howes Co., Inc., S. 106,110,114,116, 117,118,119,130,135,139,152
Hsiaokang Sugar Mills TSC 53,68,74
Huber Corp., J.M. 120,154
Huie Sheng Oil Mill Co. Ltd. 53,59,74
Huileries Alsaciennes S.A. 42
Huileries De Meknes, Les. 49,73,88
Huileries' Du Souss 49
Humko Products, Kraft Inc. 26,27,34
Hunt-Wesson Foods Inc. 26,27,32,34,69
Huntley Mfg. Co. Inc. 106,114,154
Hydraulic pressing equipment, industrial 128
Hydrogenation equipment 128

I

ICI Americas Inc. 136,154
I.G.O.R. S.p.A. 45,72
ISTA Mielke & Co. 140,154
Iberol Soc. Iberica de Oleaginosas Sarl 51
Import, export warehousing 139
Inari, Ltd. 55,76,77,96
Industria De Oleos Pacaembu S/A 37,84,97
Industrial Aceitera S.A. 49,73
Industrial De Alimentos S.A. 62,63,67
Industrial E Comercial Brasileira S/A 37,97
Industrial Commodity Corp. & J. Carvel Lange Internat'l Inc. 137,138,154
Industrial Enterprises Co. Ltd. 53,74,88,96
Industrial hydraulic pressing equipment 128
Industrial Jabonera La Esperanza, S.A. .49,67,88
Industrial Laboratories 137,139,154
Industrial Product Manufacturers 79
Industrial Products Group Stokely-Van Camp Inc. 33,69,90
Industrias De Aceite S.A. 36,65,70,97
Industrias Ales C.A. 40,72,84,87
Industrias Conasupo S.A. 49
Industrias Gessy Lever Ltda. 37,71,87,97
Industrias J. B. Duarte S.A.37,71,84,87,89,90,97
Industrias Productos Alimenticios S.A. 56,61
Industrie Chimiche Italia Centrale S.p.A. I.C.I.C. 45,81,85,89,91
Industry General Corporation 137,138,139,154
Ingman Laboratories, Inc. 137,154
Inoculants 136
Insecticides 136
Inspection services 139
Instituto de Mercadeo Agropecuario - IDEMA 39
Intercontinental Associates Inc. 97
Interfood Deutschland GmbH 61,66,77,97
International Foundation for Agricultural Development 137,138,139,154
International Harvester 135,154
International-Matex Tank Terminals 139,154
InterSystems, Inc. 106,110, 114,117,118,136,154
Iowa Testing Laboratories, Inc. 137,154
Isdale & Associates, Inc., Charles 120,122, 130,132,137,138,154
Italiana Olii E Risi S.p.A. 45,58,81, 83,85,89,91,97
Italmecanica Industria e Comercio de Maquinas e Equipamentos Ltda. 122,130, 137,138,154
Itoh & Co. (America) Inc., C. 97
Izhar Oil Industry of Israel Ltd. 45,81,83, 85,88,90,97

J

J.G. Limited 138,140,154
J.K. Export Industies 43,97
Jabula Foods Ltd. 62,67
Jacobson Machine Works 114,154
Jag Manek Solvent Extraction Plant 122,154
Jaham Manufacturing Co. Inc. 106,155
Jamaica Soya Products Industries Ltd. 46
Japan Protein Industry Co. Ltd. 66
Japan Soy Protein Co. Ltd. 61
Japan Soya Products Co. Ltd. 46
Jeffrey Manufacturing Division Dresser Industries 108,110,112, 114,116,119,122,135,155
Jennings Laboratories Inc. 116,137,155
Jensen Mills 140,155
Jindal Solvent Extractions 43,56,66,79,82,97

K

Kalo Ag. Chem., Inc. 135,136,155
Kalustian Associates, Inc., Peter 137,138, 139,155
Kalvan Solvent Extraction Limited 43
Kappele, Wright & Macleod Ltd. Inc. 139,155
Kasper & CIA. Ltda. 37,71,97
Kato Oil Mill Co. Ltd. 46
Kelsa S.A. 52,59
Khavardasht Agroindustry Corp. 44
Kice Metal Products Co. Inc. 106,110,112, 114,116,118,155

Kickapoo (Thailand) Co., Ltd. 78,97
Kikkoman International Inc. 75
Klemm, Gabe & CIA. Ltda. 37,84,97
Koninklijke Brinkers Margarinefabrieken B.V. 50
Kraft Inc. 27,70
Krupp Industrie - Und Stahlbau, Werk Harburg 120,122,124,126, 128,130,132,137,138,139,155
Kuner 35,70
Kuok (Singapore) Ltd. 116,155
Kuss Corporation 110,135,155
Kuwait Flour Mills Co. S.A.K. 47,73,97
Kyowa Hakko Kogyo Co. Ltd. 66

L

Laboratories, analytical 137
Laboratory equipment 116
Lakeland Engineering Equipment Co. 108,110,114,116,117,155
Land O'Lakes Inc. 28,30
Land O'Lakes Industrial Sales 60,64,77,97
Land O'Lakes Soybean Div. 31,68,98
Langston Bag Co., Inc. 106,108,112,119,155
Laucks Testing Laboratories Inc. 137, 139,140,155
Lauhoff Grain Co. 27,60,65
Law & Co. 137,155
Leeds Laboratories Ltd. 57
Leffingwell Division 155
Lesieur 49
Level indicators, material 116
Lever Bros. Co. 26,32,70
Liberty Oil Mills 43,72,98
Liberty Vegetable Oil Co. 26
Lifts, elevator 112
Lifts, truck 118
Liquifarm-Gruppo Industrie Alimentari S.p.A. in Amministrazione Straordinaria 45,58,81,83,85
Llaves S.A., Las 54
Lloreda Grasas S.A. 39,57,65,71
Loma Linda Foods 60,62,76
Lou Ana Foods Inc. 30,98
Love Company, J.E. 135,155
Lubricating & cleaning equipment 108
Lucas Meyer GmbH 57,80
Lucas Meyer Inc. Div. of Lucas Meyer Hamburg 57,65,79
Lucas Meyer S.R.L. 56,58,61,66,68,78,98
Lurgi Umwelt und Chemotechnik GmbH 120,122,124, 126,128,132,137,139,155
Lykes Bros. Steamship Co., Inc. 140,156

M

M&W Gear Company 110,135,156
MCC Powers 106,108,111,156
M.F.A. Grain Marketing Div. 31,98
M.P. Oil Extraction Pvt. Ltd. 43,98
M.P. State Cooperative Oilseed Growers Federation Ltd 106,108, 110,112,114,117,140,156
Madhusudan Vegetable Products Co. Ltd. ..43,98
Malayan Flour Mills Berhad Dindings Soya & Multifeeds SDN. Berhad 47
Malwa Proteins & Oils Pvt. Ltd. 43,98
Malwa Vanaspati & Chemical Company Limited 43,86,88,98
Mandalay Food Products Inc. 62,77
Mandarin Soy Sauce Inc. 75
Mangliagaon (M.P.) General Foods Private Ltd. 43,58,66, 68,72,80,82,85,88,98
Manufacturers & Suppliers Guide 141
Maple Leaf Monarch Co. 38,57,80,84,90,98
Margarinbolaget AB 52
Margarine equipment 128
Martin Engineering Company ..108,116,119,156
Marubeni America Corporation 98
Marwood International Inc. 98
Masiero Industrial S/A 110,120,122, 124,126,128,130,132,156
Massey-Ferguson 135,156
Material & grain handling equipment 114
Material flow aids 116
Material level indicators 116
Mathews Co. 110,112,114, 116,118,135,136,156
Mathews Limited, S.D. 72
Matsuda-Hinode Tofu Co. 78
Mayrath Industries, Inc. 135,156
McKee Corporation, Davy 137,138,139,156
Meal dryers; see drying & aeration 110
Meggitt Limited 35,65,79,98
Meiji Milk Products Co. Ltd 63,73, 78,138,139,156
Merlin S/A Ind. e Com. De Oleos Vegetais 37,98
Metal detection, quality control 117
Metal Products International, Inc. ..126,140,156
Miami Margarine Co., The Food Service Div. 69,76,83,98
Mico Inc. 98
Mid-America Products, Inc. 110,135,156
Midwest Oilseeds, Inc. 140,156
Midwest Soya International, Inc. 76,77,98 118,119,137,138,139,140,156
Mighty Soy, Inc. 62
Miko Inc. 135,136,140,156
Mikropul Corporation 112,114,139,156
Miles-Kyowa Co. Ltd. 62
Miller-Soy 62
Milling services 140
Minasa 38,56,79,87,98
Mineral Research & Development Corp. ..135,156
Mixing Equipment Co., Inc. 119,157
Mixing & grinding equipment 114
Mobay Chemical Corporation 135,136,157
Modern Process Equip., Inc. 114,140,157
Moisture testers 116
Molinos Rio De La Plata S.A. 35,70,90,99
Molinos Union Del Yaqui S.A. De C.V. 49
Monarch Fine Foods Co. Ltd. 38,71
Monsanto Ag. Products Co. 135,136,157
Moore & Assoc., Inc. N. Hunt 110,114,118,120,122, 124,130,132,137,138,139,140,157
Moorhead Machinery and Boiler Co. 110, 118,120,122,124,126,128,132,157
Morning Star Laboratories, Inc. 137,157
Motomco, Inc. 116,157
Multilift, Inc. 110,135,157
Muskogee Iron Works, Inc. 118,157

Myers Engineers 120,122,124,126, 128,130,132,138,139,157

N

Nabisco Inc., Biscuit Div. 55
Nadustco, Inc. 110,112,157
Nakornchaisri Oil Industrial Co. Ltd. . 53,86,91,99
Nashville Oil Mill Corp. 34
Nattermann Chemie GmbH 57,80
Nav Maharashtra Chakan Oil Mills 43,99
Navimpex Sarl 138,139,157
Ne-Tex Cooperative Oil Mill 34
Neumunz Inc. 120,124,126, 128,130,132,137,138,139,158
Neutralization equipment 128
New England Soy Dairy 78
New Jersey Feed Laboratory, Inc. 137,158
Newell Machinery Co. 108,110,112, 114,117,118,137,139,158
Newport Instruments Ltd. 108,112,116,158
News services, publications 140
News wires, commodity 140
Nikka Fats & Oils Co. Ltd. 46,67,69,73
Nikko Oil Mills Co. Ltd. 46,59,67,69,73,75,76
Nisshin Oil Mills, Ltd., The 47,59,67,73,91
Niticel B.V. 59,62,67,78,81,99
Nitragin Company, Inc., The 135,136,158
Noble Division, Lear Siegler, Inc. 135,158
Noblee & Thoerl GmbH 41,99
Nomura Tofu Co., Inc. 62,76,78
Non-U.S. Oil Extraction Plants/Refineries 35
North American Laboratory Co. Inc. 55, 60,99,130,137,138,158
North American Plant Breeders 140,158
Northrup King Co. 139,140,158
Northwest Vegetable Oils Pty. Ltd. 35
Nuttelex Food Products Pty. Ltd. 70

O

O. & L. Sels KG 41,57
Occidental Chemical Company 135,136,158
Oelmuehle Hamburg AG 41,57,66
Oelwerke Noury & Van Der Lande GmbH 41, 85,86,87,90,99
Oelwerke Spyck 41
Oil-Dri Corporation of America 120,158
Oil/fat & oil/fiber analyzers 116
Oleaginosas Espanolas, S.A. 52,59, 99,137,138,139,158
Oleagineux Du Gharb 49
Oleica S.A. 40,72
Oleificio Fratelli Belloli SAS 45
Oleificio SABO 52
Olin Corp. 135,158
Oliver Mfg. Co. 106,110, 112,114,116,135,137,139,158
Olivex Ltd. 45,58,99
Oljynpuristamo Oy 42
Olvebra S/A. Industria E Comercio De Oleos Vegetais 38,63,71,84,89,99
On-farm processing equipment 136
Owensboro Grain Co. 30
Oxford Analytical Instruments Ltd. . 112,116,158
Oxford Instruments North America, Inc. 112,116,117,158
Oy Kasvioljy 42,72,79,82,85,90,99

P

POS Pilot Plant Corporation 137,138,158
PPG Industries Inc. 86,136,158
PSI Process Systems, Inc. 120,126, 128,130,132,137,138,139,158
PT Components, Inc., Link-Belt Bearing Div. 108,117,159
PVO International Inc. 31,70
Pacific Grain Co. 99
Pacific Scientific, Gardner/Neotec Instrument Div. 112, 116,128,159
Pacific Soybeans & Grain 76,99
Packaging & weighing 119
Palma S.A., La 49
Pan American Laboratories, Inc. 137,159
Partlow Corporation, The 118,136,159
Pasir Gudang Edible Oils Sdn. Bhd. 47
Pattison's Laboratories, Inc. 137,159
Peavey Co. 99
Pelleting equipment 116
Pennwalt India Ltd. 118,119, 120,124,128,130,159
Perdigao Alimentos S/A 38,87,89,90,99
Perdue Inc. 30,32
Phelps Industries, Inc. 118,159
Phidaygesa 40,56,61,65,72,76
Phillips Chemical Company 132,159
Physical refining 128
Pillsbury Co., The 99
Pioneer Hi-Bred International, Inc. Plant Breeding Division 140,159
Pioneer Specialty Foods 77
Pipoil S.A. 35
Plant protectants 136
Planters Oil Mill Inc. 32,99
Polar Fabrica De Aceite Hidrogenado Y Manteca Vegetal, S.A., La 49
Ponndorf Maschinenfabrik GmbH 110,160
Pope Testing Laboratories Inc. 137,160
Port of Houston Authority 139,160
Port of Lake Charles 139,160
Port of New Orleans 139,160
Portable Elevator Division 110,112, 114,135,160
Power Transmission Div. Dresser Industries, Inc. 108,117,160
Power transmission equipment 116
Prabhat Solvent Extraction Industries Pvt. Limited 44,72,88,99
Prater Industries, Inc. 106,114, 118,126,130,140,160
Precision Roll Grinders, Inc. 140,160
Premier Extractions Pvt. Ltd. 44,66,100
President Enterprises Corp. 53,59, 64,74,75,78,81,100
Prestige Foods Private Limited 44,56,58, 61,66,68,78,81,82,85,89,100
Process Mechanical, Inc. 110,118, 122,124,126,128,132,160
Procter & Gamble Co. 33,87
Procter & Gamble Mfg. Co. 26,27,34
Producers Cooperative Assn. 30
Producers Cooperative Oil Mill 33

Productos Alimenticios Delicias, S.A. 49
Productos Nutricionales S.A.(PRONASA) ...62
Proform Inc. 118,140,160
Proseed Inc. 76,100,137,138,139,140,160
Protein and/or miscellaneous analyzers 128
Protein plants 130
Publications, news services 140
Pullman Leasing Company 140,160
Pulverizing Machinery
Div. of MikroPul Corp. 106,108,
112,114,116,160
Pumps 117

Q

Quality Control Equipment Co. 106,160
Quality control metal detection 117
Quincy Soybean Co. 27
Quong Hop & Co. 55,63,78,132,160
Quonset 118,119,160

R

R.T. Agencies 100
Railway siding devices 117
Rajani Brothers 44
Rakosky Services, J. 138,160
Ralston Purina Co. 27,28,30,32,33,60,100
Ralston Purina Co. Polymer Div. 79,86
Ralston Purina Co., Protein Div. 65
Ralston Purina Co., Soybean Div. 34,80
Rama Food Product Co., Ltd. 62,64
Randell Inc., C.W. 119,135,136,140,160
Rasoi Limited 44
Raul Garcia y Cia S.A. de D.V. 49
Rechlin & Bullerjahn
Produtos Agricolas Ltda 137,161
Recorrugation, milling services 140
Refinadora de Oleos Brasil S/A 38,71,87,100
Reichhold Chemicals Inc. 86
Replacement rolls, milling services 140
Resegue Industria E
Comercio S.A. 38,84,87,90,100
Reuters, Ltd. 140,161
Revere Corp. of America 116,119,140,161
Rhino Sales Corporation 116,118,119,161
Rhone-Poulenc Inc. 136,161
Riceland Foods 24,57,70,80,83,100
Richco Grain Ltd. 100
Richeson & Sons, Inc., W.L. 139,161
Robertson Corp., The 65
Roby & Associates, Inc.,
Dennis E. 114,137,138,139,161
Rolfes Company, George A. 110,112,
118,135,136,161
Roosendaal, Julius Van 137,162
Roskamp Mfg., Inc. 126,162
Ross & Rowe, Div. of Archer Daniels
Midland Co. 57,80,100
Rotex Inc. 114,119,130,162
Rotterdamsche Margarine
Industrie ROMI B.V. 50,73,100
Ruff's Seed Farms 140,162
Rust Engineering Co. 120,124,126,128,162
Rykoff & Co., S.E. 70,75,78,83
Ryttervik Fabrikker 50

S

S.A. Moinhos Rio Grandenses
(SAMRIG) 38,57,71,87
S.A. Oil Mills (Pty.) Ltd. 51,67
SAIS 52
SGS Control Services Inc. 137,140,162
S.I.O. Castelfiorentino S.p.A. 45,73,91,100
S.I.O. Modena S.p.A. 46,58,73,89,91,100
S.I.O. Ravenna S.p.A. 46,81,83,85,100
Samplers, automatic 106
Sampyo Foods Co. Ltd. 75
Samva 46
San-J International Inc. 75,100
Sandoz, Inc. 135,136,162
Sanitarium Health Food Co. 60,63
Sathop 54
Savonnerie Africaine S.A. 54
Scaldiswerken Ruien N.V. 36,84
Scales, commercial 117
Scales, farm 136
Scandura Inc. 108,135,162
Schmidt Soehne, Jb. 41
Schokhi Industrials Pvt. Ltd. 100
Schouten International Inc. 100
Schultz Seed Company, J.M. 76,101
Screeners 130
Screens, sifter 117
Screw Conveyor Corp. .110,112,114,118,135,162
Screw presses, continuous 122
Seasonings 130
Seed suppliers 140
Seed protectants, fungicides 135
Seedburo Equip. Co. 106,110,112,
114,116,117,118,119,135,136,162
Seedmakers, Inc. 140,162
Selaata Terminal 47
Sexton & Co., John 70
Shannon Tractor Company, Inc. 136,162
Shedd's Food Products 70,101
Shell Chemical Company 136,162
Shemen Industries Ltd. 45,58,81,88,90,101
Sherkate Sahami Rowghan Nabati Jahan .44,72
Sherman Oil Mill 34
Sherwin-Williams Co. 86
Shipco Inc. 139,162
Short Milling Co., J.R. 27
Shortening equipment 130
Showa Sangyo Co. Ltd. 47,59,67,73,79
Shree Kanti Oil Mills 44,101
Shree Mansingka Oil Mills Ltd. 44,101
Siding devices, railway 117
Siegling America Inc. 108,162
Sifter screens 117
Sifters 118
Sigoharb 49
Simon-Rosedowns Ltd. 120,122,
124,126,128,130,132,136,137,139,162
Simonin's Sons Inc., C.F. 33,70,83,90,101
Sindi S.A. 51
Sios-Zitex 54
Smico Manufacturing Corp. 106,114,
116,118,119,162
Smith-Douglass, Inc. 135,136,162
Smoilive 54
Soapstock equipment 130
Sociedad Iberica De Molturacion S.A. 52
Sociedad Industrial Dominica 71

Sociedad Industrial Dominicana C.A. 40
Societe D'Exploitation Des Produits Oleagineux (SEPO) 50,73,88
Societe Industrielle Des Oleagineux (SIO) ... 42, 58,61,66,68,72,77,80,82,101
Societe Industrielle Et Commerciale Des Oleagineux (SICO) 50
Societe Industrielle Oleicole De Fes (SIOF) 50
Societe Oleicole De Meknnes (SOME) 50
Sodexol, Societe D'Exploitation D'Oleagineux 42
Sodexol S.A.M. 58,66,80,82
Soja France S.A. 42,101
Solnuts B.V. 77,101
Solvent extraction distillation equipment 130
Solvent extraction equipment continuous countercurrent 122
Solvent recovery equipment 132
Solvent vapor detection & control 132
Solvents 132
Somataz 50
Soon Soon Oil Mills SDN BHD 47,102
Southern Cotton Oil Co. 24,31,34
Southern Packers (Aust.) Pty. Ltd. 35,70
Southern Soya Corp. 34
Southland Oil Terminal Company 118,162
Southwell Laboratory 137,163
Southwestern Laboratories 137,139,163
Soy-Cot Sales Inc. 102
Soy Directory 23
Soy Product Processing Equipment & Supplies 120
Soy Products of Australia Pty. Ltd. 35,65
Soy storage:
Building 118
Elevator & processor units 118
Tanks, liquid storage 118
Soya Foods Ltd. 41,65,68,76
Soya Mainz GmbH & Co. Kommanditgesellschaft 41
Soya Mills S.A. 42
Soya Technology Systems Limited 137, 138,139,163
Soyabean Extraction Private Ltd. 44
Soybean breeders 140
Soybean Research Foundation, Inc. 140,163
Soyfood Manufacturers 55
Soyfoods Association of North America 63,68,75,76,77
Soyfoods Center, The 78,137,138,140,163
Soyfoods industry database 140
Soymilk & tofu equipment 132
Soypro International, Inc. 137,138,139,163
Specialty Grains, Inc. 102
Speed King Mfg. Co., Inc. 110,114,135,163
Speelman's Oliefabrieken B.V. 50
Spencer Kellogg, Div. of Textron Inc. 31,32,79,80,86
Sperry New Holland 135,163
Spraying equipment 136
Sprout-Waldron Division Koppers Company, Inc. 106,110,112, 114,116,118,119,122,130,136,137,138,163
Staley Mfg. Co., A.E. 27,28,30,33,70,83,102
Staley Mfg. Co., A.E., Lecithin Dept. 57
Staley Mfg. Co., A.E., Protein Div. 60,65,75,78,79,82
Staley Mfg. Co., A.E., Refined Oil Div. 80
Standards for Soybeans, U.S. 207
Star Systems Filtration Division 116, 119,120,163
Stauffer Chemical Company 135,136,164
Ste. Marocaine Pour L'Industrie Oleicole (SOMIO) 50
Ste. Monastirienne 54
Ste. Moncef Abdelmaoula 54
Ste. Starhuil 54
Stemmerich, Inc. 116,119,130,164
Stern-Chemie 77
Stern-Lecithin GmbH 58
Stewart Hybrids, Inc. 136,140,164
Storage, soy see soy storage 136
Storage units, farm 136
Straight Engineering Company 114,118,164
Strayer Seed Farms Inc. 76,102
Sued-Chemie A.G. 116,120,135,164
Sullivan Systems Inc. 120,124, 128,130,132,138,139,164
Sumerbank Ordu Soya Sanayii Muessesesi 54,68,74,81
Sumitomo Corporation of America 102
Super Pollo Inc. Co. 39
Superior Welding Company ... 110,112,122,124, 126,128,132,164
Surveying & weighing 140
Sweco, Inc. 114,116, 118,119,130,164
Sweet Mfg. Co. ... 108,110,112,114,118,135,164

T

Tabor Grain Co. 102
Tagol Companhia De Oleaginosas Do Tejo Sarl 51,67,102
Tai Hwa Oil Industrial Co. Ltd. 53,74
Tank & covered hopper cars 140
Tank & covered hopper car covers 140
Tanks, liquid storage see soy storage 118
Taralan Corporation 164
Tata Oil Mills Co. Ltd., The 44
Tavlin Ltd. Oil & Soap Factory 45,102
Tay Shan Enterprise Co. Ltd. 53,74
Tecator Inc. 116,120,122,130,132,164
Technicon Industrial Systems 108,112, 116,130,164
Temperature systems, commercial 118
Temperature monitors, farm 136
Tenco Hydro Inc. 119,164
Terral-Norris Seed Co., Inc. 136,140,164
Testers, moisture 116
Teth-Beth Ltd. 45
Tetko, Inc. 118,164
Thai Theparos Factory R.O.P. 53,75, 116,122,128,130,132,138,164
Thanakorn Vegetable Oil Products Co. Ltd. 53
Thionville Inspetora de Cargas e Analises Ltda. 137,140,164
Thionville Laboratories & Surveying Co. Inc. 137,139,140,164

Thionville Surveying Company (Netherlands) B.V. 139,140,165
Thionville Surveying GmbH 140,165
Thomas Conveyor Company 110,114, 117,135,165
Thorl's Vereinigte Harburger Oelfabriken 41
Thywissen, C. 41,58
Tiger Protein Industries Pty. Ltd. 62,67,69
Tintometer Ltd., The 108,165
Toaster, desolventizer 124
Tofu & soymilk equipment 132
Tokyo Food Processing Corp. 63,78
Toshoku America Inc. 102
Townsend's Inc. 26
Toyo Oil Mills Co. Inc. 47,59,81
Trade-Link Ltd. 135,136,165
Tramco Metal Products, Inc. 110,114,135,165
Transmission equipment, power 116
Transportation 140
Triple/S Dynamics 106,110,112,114,118 119,130,136,165
Troika Processes Private Limited 106,108,110, 112,114,116,117,118,119,122,124,126, 128,130,132,135,136,137,138,139,165
Truck lifts 118
Twin City Machine Co., Inc. 140,166
Twining Laboratories Inc., The 137,166
Tyler Company, D.W. 106,110,112, 114,117,118,119,166

U

U.S. Borax & Chemical Corp. 135,166
U.S. Oil Extraction Plants/Refineries 24
USS Agri Chemicals 135,136,166
Unigral Cristal 50,88
Unimills 41,58
Unimills B.V. 50,59,67,81
Union Carbide Ag. Product Co. Inc. 136,166
Union Chemical Division 132,136,166
Union Comercial Industrial S.A. 51,124,128,166
Union Deutsche Lebensmittelwerke GmbH 42
Union N.V. 36,70
Uniroyal Chemical, Uniroyal, Inc. 135,136,166
United Catalysts Inc. 120,166
United Foods Ltd. 54,74,91,102
United States Rail Services, Inc. 140,166
Universal Industries 108,110,112,114,135,166
Universal Robina Corporation 51,56,59,63,86,87
Unloaders 118
Upjohn Company, The 135,136,140,166
Urbana Laboratories, The 136,166
Urschel Laboratories, Inc. 116,126,166
Used equipment, farm 136
Used equipment, soy product 132

V

V.R. Seeds, Inc. 140,166
Vamo Mills, N.V. 36,80,82,83
Van Den Berghs and Jurgens Limited 41,72
Vandemoortele N.V. 36,70,84,90
Ved Brat & Co. 44,61,66,82,102
Verein Deutscher Oelfabriken 42
Vereinigte Fettwarenindustrie GmbH & Co. KG. 35
Vibrator screens 118
Vibrators 119
Victory Soya Mills Ltd. 38,65,71,84,102
Vikas Export Industries 44,72,102
Vippy Solvex Products Private Ltd. 44,58, 66,68,81,82,85,102
Vishwa Oil Products Ltd. 110,112,114,116,118 119,120,122,124,126,130,132,166

W

Walter Rau Neusser Oel Und Fett Ag 42
Wan-Jia-Shiang Brewery Co. Ltd. 75
Warehousing, Field 119
Warning systems 119
Waste water treatment equipment 119
Watt's Alimentos Sac E I 39,71
Weather services 140
Weather Trends, Inc. 140,166
Webco Tank, Inc. 118,136,169
Wei-Chuan Foods Corp. 64,75
Wei Wong Fermentation Industrial Co., Ltd. 75
Weighing & packaging 119
Weighing & surveys 140
Wellens & Co. Inc. 102
Wenger Int'l. Inc. 122,169
Werner & Pfleiderer Corporation 122,169
Werthan Industries, Inc. 108,169
Wesmar Industrial Systems Div. 108,116,169
West Bend Elevator Co. 30
West Central Coop. 30
Western Commercial Transport, Inc. 140,169
Westfalia Separator AG 124,128,130,132,169
Westvaco Corporation 136,169
Wheelabrator-Frye, Inc. 108,110,112,169
Wilhelm Connemann 42
Wilken Seed Grains Inc. 140,169
Williams Mill Supply Company, H.R. 108,112,114,118,169
Willis Corp., K.I. 112,169
Wilson Foods Corporation 33
Winterization equipment 132
Woodson-Tenent Laboratories 137,169
Woodward & Dickerson Inc. 102
Worthington Foods, Inc. 55,60,63
Wurster & Sanger Inc. 120,122, 124,126,128,130,132,137,138,139,169
Wy Ky Inc. 55,63,78

Y

Yang Oil & Feed Co. Ltd., Sam 47
Yazoo Valley-Minter City Oil Mill Inc. 31
Year-A-Round Cab Corp. 135,169
Yeo Hiap Seng Limited 64,75,76
Yeo Hiap Seng (Malaysia) Berhad 75,78,63
Yokkaichi Oil & Fats Co. Ltd. 47

Z

Zimmerman Equipment Co. 110,169
Zoecon/Ring Around Research 140,169

index to advertisers

ADM (Archer Daniels Midland) 4
ASA, General Sales 94
Bauermeister, Inc. 127
Berico Industries 143
Buhler-Miag, Inc. 121
Bunge Corp. 25
Cambrian Engineering Group Ltd. 134
Cargill Inc. 22
Cherry-Burrell
Chemetron Process Equipment 145
Clayton Brokerage Co.
of St. Louis, Inc. 138
Continental Grain Co. 29
Crown Iron Works Co. 105
Davy Bamag GmbH 131
Dedert Corp. 111
Divine Engineering, Inc. 109
DuMond Co., Inc. 147
James E. Dunn Grain
Services Inc. 95
EMI Corp. 125
ERDCO Engineering Corp. 3
French Oil Mill Machinery Co. 123
Gustafson, Inc. 8
Jacob Hartz Seed Co., Inc. 167
Henkel Corp. 139
S. Howes Co., Inc. 119
ISTA Mielke & Co. (Oil World) 21
Kappele, Wright & MacLeod Ltd. 157
Kice Metal Products Co. Inc. 107
Lucas Meyer ..... (Inside front cover)
Metal Products Int., Inc. 161
Midwest Soya Int., Inc. 159
N. Hunt Moore & Assoc., Inc. 113
NSPA (National Soybean
Processors Association) ..... (Back cover)
Phillips Chemical Co. 133
Prater Industries, Inc. 129
Dennis E. Roby & Assoc. Inc. 163
Roskamp Mfg., Inc. 117
Rotex, Inc. 6
Schouten International Inc. 101
Soya Technology Systems Ltd. 170
Superior Welding Co 115
Tramco Metal Products, Inc. ..... (Inside back cover)
Wenger International 153
Woodson - Tenent Labs 165
Zimmerman Equip. Co 168

staff

Don Evashenko—**General Manager**
Ann Landry—**Advertising Manager**
Annette Fawley—**Editor**
Barbara Stein—**Assistant Editor**
Gerald Boschert—**Art Director**
Denis Kloppenburg—**Production Mgr.**
Robert Davoli—**Artist**
Larry Krueger—**Circulation & Sales**
Tommy Eshleman—**Statistical Consultant**

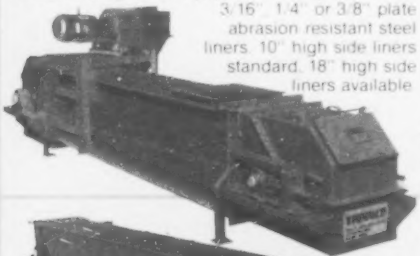
(314)432-1600
777 Craig Road, P.O. Box 27300
St. Louis, MO 63141

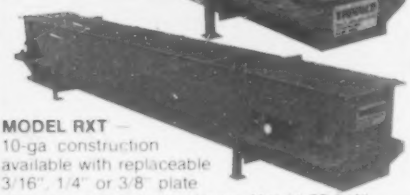
TRAMCO The world's most complete line of chain conveyors.

TRAMCO chain conveyors, "The Quiet Ones," have become the standard of the industry. They are designed, engineered and built for hard work and long life. All models feature non-metallic flights for lower noise levels, minimal maintenance and downtime. Jig welded components assure interchangeability and are insured by the TRAMCO 100% inspection policy. All models available in stainless or special steels, and can be built to customer specifications.

The heavy duty **TRAMCO Model G** provides years of trouble-free service, under extreme applications. The Model G is built to accommodate large capacities of free-flowing dry materials.

- Widths 12" - 18" - 24" - 30" - 36" - 42"
- Height 25-½"
- 10-gauge construction
- Sides and bottoms equipped with replaceable 3/16", 1/4" or 3/8" plate abrasion resistant steel liners. 10" high side liners standard. 18" high side liners available.

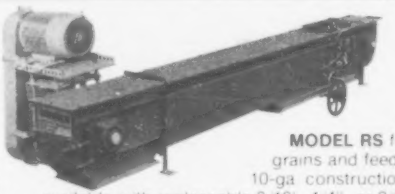




MODEL RXT — 10-ga. construction available with replaceable 3/16", 1/4" or 3/8" plate abrasion resistant steel liners. Height 25-3/4", widths available 12" - 18" - 24" - 30" - 36" - 42".

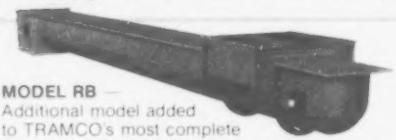
MODEL SC — One of the most economical types of conveyors available for bulk material handling. Both standard and specialized designs are available in many sizes, metals, and gauges to solve a variety of conveying problems.

MODEL N for wet, hot, or dry stock on inclines to 90°. Carbon steel jig-welded construction, also in stainless or special steels, available in 10 sizes with capacities from 1,000 BPH to 14,000 BPH.



MODEL RS for grains and feeds. 10-ga. construction, available with replaceable 3/16", 1/4", or 3/8" plate abrasion resistant steel liners. Height 18-5/8", widths available 10" - 12" - 14" - 18" - 24".

MODEL RL fills most conveying needs. 10-ga. construction, available with replaceable 3/16", 1/4" or 3/8" plate abrasion resistant steel liners. Height 12-7/8", widths 9" - 12" - 15" - 18".



MODEL RB — Additional model added to TRAMCO's most complete line of chain conveyors. 10-ga. construction U-shaped trough. Widths available 9" - 12" - 14" - 16".

MODEL DT for inclines from 14° to 60°. 10-ga. construction, replaceable 3/8" plate abrasion resistant steel liners. Height 25-3/4", widths available 12" - 18" - 24" - 30" - 36" - 42".

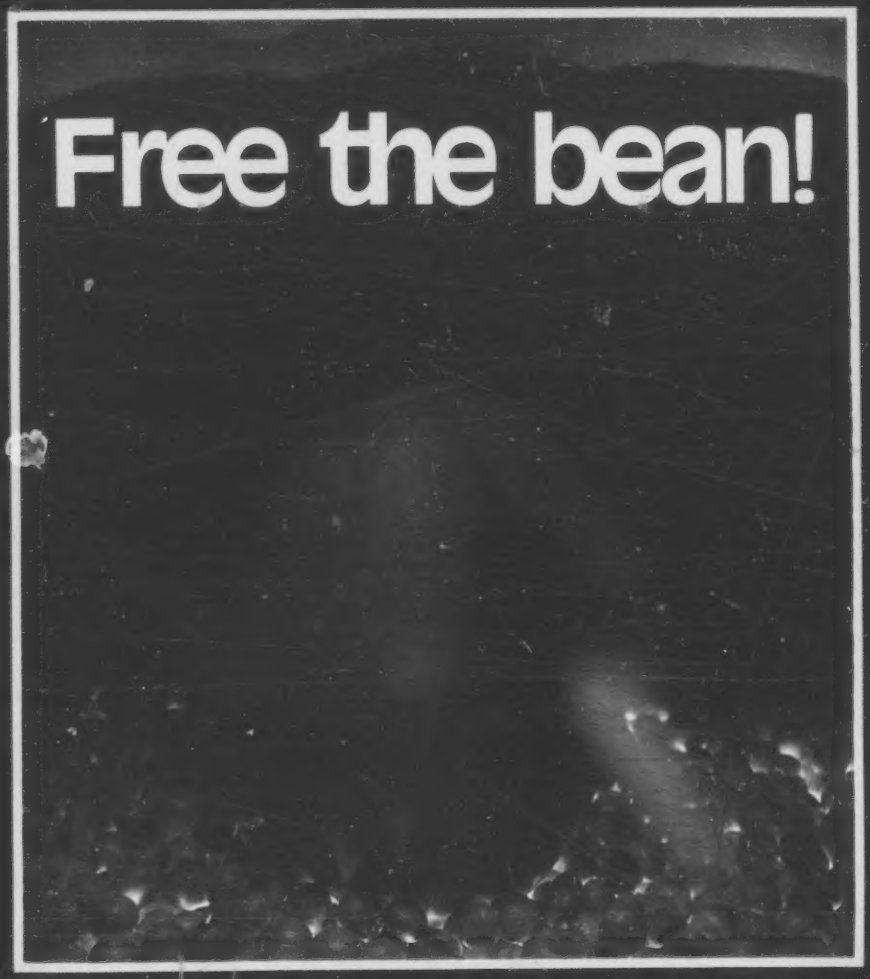
TRAMCO

TRAMCO METAL PRODUCTS, INC.
1011 EAST 19th STREET • WICHITA, KANSAS 67214
(316) 264-4604 • TELEX 437-029 • QUIP 2000 TELECOPIER
Call, telex or write for complete information on TRAMCO conveyors.

Licensed to manufacture in Canada by B.M. PROMACH, LTD., 2075 Cabot Street, Montreal, Quebec H4E1E2 • (514) 766-4357 • Telex 055-60466.

Licensed to manufacture in Europe by SIMON-SOLITEC, Bristol Road, Gloucester GL 2 6BY ENGLAND (0452) 418599 • Telex (Solitec) 43378.

Free the bean!



Historically, the free flow of American agricultural exports to foreign consumers has been highly beneficial to the economy of the U.S. soy complex. Only when America does not practice the free trade it preaches, the soybean industry, and indeed the whole American economy, suffers irreparable harm.

NSPA believes that America has the potential to continue significant expansion of its exports of soybeans and products within the next decade, but only if free market forces are permitted to play. American soybean growers and processors know that their industry has evolved and flourished through a world free market system. It's up to us as partners to keep it that way!

NSPA
NATIONAL SOYBEAN PROCESSORS ASSOCIATION

1800 M Street, NW
Washington, DC 20036
(202) 452-8040
Telex 248959

We're the biggest customers of America's soybean growers.